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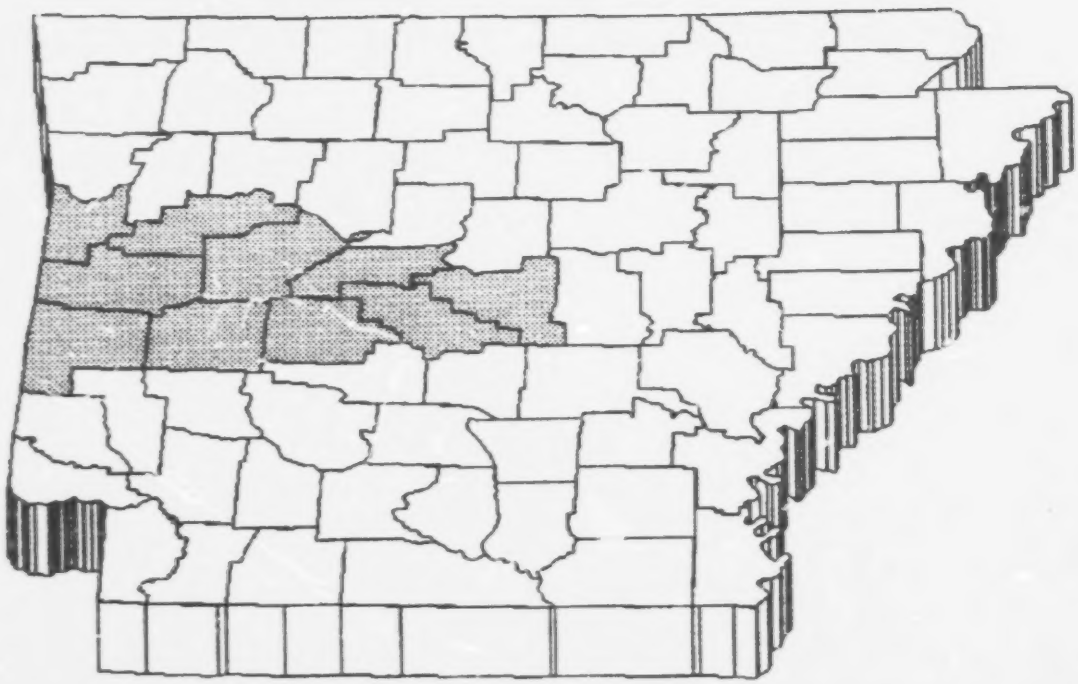
# Forest Statistics for Arkansas' Ouachita Counties - 1988

F. Dee Hines



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## SUMMARY


The 1988 survey of the Ouachita Unit of Arkansas shows some constants and some changes since the 1978 survey.

- Timberland area now covers 3172.2 thousand acres, about the same as it was in 1978.
- Ownership patterns are relatively unchanged except for other publicly owned timberland, which increased 21 percent.
- Area covered by the loblolly-shortleaf forest type declined 14 percent.
- Oak-pine forest types showed a 5-percent decrease in acreage.
- Oak-hickory forest types increased by 17 percent.
- Sawtimber and poletimber stands decreased by 6 percent each, sapling-seedling stands increased 9 percent.
- Plantation acreage is up 153 percent to 451.4 thousand acres.
- Softwood volumes have decreased; 13 percent for growing stock, 6 percent for sawtimber.
- Hardwood volumes have increased; 19 percent for growing stock, 38 percent for sawtimber.
- For softwoods, removals exceed growth for growing stock and sawtimber.
- Hardwood growth on growing stock and sawtimber is up.
- Removals of hardwood, both growing stock and sawtimber, have increased, but remain less than growth.
- Total mortality estimates are up over 100 percent.


## FOREWORD

The Southern Forest Survey, an activity of the Southern Forest Experiment Station Forest Inventory and Analysis work unit, covers the States of Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and East Texas, and the island of Puerto Rico.

This survey is part of the nationwide Forest Survey originally authorized by the McSweeney-McNary Act of 1928. More recent legislation pertinent to the survey mission includes the Forest and Rangeland Renewable Resources Planning Act of 1974 and the Forest and Rangeland Renewable Resources Research Act of 1978. The survey mission is to develop, analyze, and maintain renewable forest resource information. This information is essential for formulation of forest policies and programs.

May 1988

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*Core tables are presented in response to the Southern Industrial Forestry Research Council's recommendations. These tables are identical among Forest Inventory and Analysis units in the eastern United States.

Figure I.–The forest survey regions of Arkansas.

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# Forest Statistics for Arkansas' Ouachita Counties–1988

F. Dee Hines

## INTRODUCTION

Tabulated results were derived from data obtained during a recent inventory of 10 counties comprising the Ouachita Unit of Arkansas (fig. 1). Data on forest acreage and timber volume were secured by a three-step process. A forest-nonforest classification using aerial photographs was accomplished for points representing approximately 230 acres. These photo classifications were adjusted based on ground observations at sample locations representing approximately 3,840 acres. Finally, field measurements were made at forest locations on the intersections of grid lines spaced 3 miles apart. At these forest locations, per-acre estimates were obtained from trees measured on ten 37.5 basal area factor prism points.

The sampling methods were designed to achieve suitable sampling errors for estimates of area and volume at the State level. Sampling error increases as the area or volume considered decreases. The sampling errors presented in table I, equal to one standard deviation for the sample data, may be used to construct confidence intervals for population parameters. For example, at the 95 percent confidence level, the confidence interval for growing-stock volume (in million cubic feet) in the Ouachita region of Arkansas (with a sampling error of 3.2 percent) is

$$3{,}369.6 \pm 1.96(0.032 \times 3{,}369.6) = 3{,}369.6 \pm 211.3$$

where 1.96 is the number of standard deviations. This confidence interval indicates that the actual growing-stock volume lies in the range 3158.3 to 3580.9 million cubic feet, unless a 1 in 20 chance has occurred.

Sampling errors for sub-groups of counties in the unit may be estimated by the following formula:

$$SE_g = \frac{SE_t\sqrt{X_t}}{\sqrt{X_g}}$$

where:

SE = standard error of estimate (expressed as a percent)

**Table I**–*Sampling errors*[1] *for timberland, growing stock, and sawtimber, Ouachita Counties, Arkansas, 1988*

| County | Timberland | Growing stock | | | Sawtimber |
|---|---|---|---|---|---|
| | | Volume | Growth | Removals | Volume |
| | *Percent* | | | | |
| Garland | 1.9 | 9.4 | 12.5 | 18.0 | 11.6 |
| Logan | 2.2 | 13.4 | 16.4 | 37.1 | 16.2 |
| Montgomery | 1.4 | 8.0 | 10.2 | 18.0 | 10.9 |
| Perry | 2.0 | 10.8 | 13.8 | 16.1 | 12.7 |
| Polk | 2.1 | 8.4 | 9.6 | 19.2 | 11.6 |
| Pulaski | 1.7 | 10.8 | 18.0 | 21.4 | 13.1 |
| Saline | 2.1 | 9.0 | 11.3 | 13.1 | 10.6 |
| Scott | 1.8 | 5.8 | 8.6 | 16.3 | 7.6 |
| Sebastian | 2.6 | 13.8 | (2) | 42.8 | 19.7 |
| Yell | 1.5 | 10.6 | 9.8 | 21.2 | 10.9 |
| All counties | 0.6 | 3.2 | 4.0 | 6.6 | 3.9 |

[1]By random-sampling formula.
[2]Sampling error greater than 50.

X = variable of interest
(area or volume)
g = group of counties to be combined
t = total for the unit.

For example, the sampling error estimate of growing-stock volume for Montgomery, Polk, and Scott counties is 4.6 percent. Thus, the 95 percent confidence interval for growing-stock volume is 1615.4 $\pm$ 145.6 million cubic feet.

Ownership information is obtained by the same systematic sample outlined above. County courthouse records are used to obtain ownership information for each forested plot. An expansion factor representing timberland area in that county is then applied to the ownership group the plot represents. Next, the ownership groups are totaled for each county. Thus, acreages reported at the county level are estimates and may not exactly match known totals for each ownership category within that county.

In order to achieve greater compatibility among Forest Inventory and Analysis Projects, a new tree grading classification has been initiated for the 1988 Arkansas survey. Tree grade 5 is used for trees currently or prospectively capable of producing at least one 12-foot log or two 8-foot logs in the saw-log portion but not able to produce a 12-foot log in the butt 16 feet. These trees, formerly classed as rough or rotten, are now included in growing stock. Table II shows the impact of this change on volume and growth.

For comparative purposes 1978 survey data were reprocessed using current procedures. Therefore, differences between 1978 and 1988 data should reflect resource changes and not data processing differences. Results from the reprocessed 1978 data are used for comparison to 1988 data in the Highlights that follow.

## HIGHLIGHTS

### Timberland Area

The Ouachita Unit of Arkansas is now 68-percent forested. Of this forest land, 3172.2 thousand acres are classified as timberland. This is a nonsignificant decline of 2 percent since the previous survey of 1978. Although land use changes have occurred, the timberland acreage base seems to have stabilized over this survey cycle.

Acreage estimates in the various ownership groups remained relatively unchanged since the previous survey. The National Forest System is the largest ownership category in this unit of Arkansas with 1308.7 thousand acres or 41 percent of the timberland total. Only other publicly owned land showed a significant change, up 21 percent to 173.9 thousand acres. Forest industry-owned land, including that under long-term lease, and other privately owned land did not change significantly.

**Table II**–*Changes in volume and growth estimates due to inclusion of tree grade 5 in growing-stock inventory, Ouachita Counties, Arkansas, 1988*

| | Tree grade 5 | | |
|---|---|---|---|
| | Excluded from growing stock | Included in growing stock | Percent change |
| | *Million cubic feet* | | |
| Softwood: | | | |
| Growing-stock volume | 2040.9 | 2050.5 | .5 |
| Rough and rotten volume | 51.8 | 42.2 | -18.5 |
| Growing-stock growth | 62.8 | 63.7 | 1.4 |
| Hardwood: | | | |
| Growing-stock volume | 1270.8 | 1319.0 | 3.8 |
| Rough and rotten volume | 309.7 | 261.5 | -15.6 |
| Growing-stock growth | 39.8 | 44.9 | 12.8 |
| | *Million board feet* | | |
| Softwood: | | | |
| Sawtimber volume | 8456.5 | 8488.2 | .4 |
| Sawtimber growth | 350.4 | 353.5 | .9 |
| Hardwood: | | | |
| Sawtimber volume | 2811.4 | 2998.6 | 6.7 |
| Sawtimber growth | 115.8 | 135.4 | 16.9 |

Changes in several forest types have occurred since the 1978 survey. The loblolly-shortleaf type decreased from 1204.1 to 1033.9 thousand acres. Oak-pine and bottomland hardwood forest types are both down 5 percent. The oak-pine type has 832.8 thousand acres while 191.9 thousand acres are classified as bottomland hardwood. The bottomland hardwood group includes oak-gum-cypress and elm-ash-cottonwood forest types. Only the oak-hickory forest type showed an increase in acreage. This group is up to 1113.6 thousand acres, a 17-percent increase.

Older sawtimber and poletimber stands are being replaced by younger sapling-seedling stands. Both sawtimber and poletimber stands decreased by 6 percent. Sawtimber stands now occupy 1233.0 thousand acres, while poletimber stands cover 1079.8 thousand acres. Sapling-seedling stands increased in area by 9 percent and now occupy 836.7 thousand acres. While these shifts are small, the trend is also seen by an increase in plantation acreage. Plantations now cover 451.4 thousand acres, up 153 percent from 178.3 thousand acres in 1978.

**Number of Trees**

The total number of live trees is down 16 percent in the Ouachita Unit. Softwood live tree total numbers are 14 percent below the 1978 estimate. All diameter classes show a decrease except the 20-inch class where an increase is seen. The total number of live hardwood trees has also decreased, down 17 percent. However, with hardwood live trees, the 10-inch and all diameter classes over 14 inches show an increase in numbers.

An even greater decrease in total numbers is seen for growing-stock trees. Here, the total number of growing-stock trees is 39 percent lower than the previous estimate. The total number of softwood growing-stock trees has decreased by 21 percent. All softwood diameter classes below 20 inches suffered losses. Similarly, hardwood growing-stock trees dropped 49 percent over the survey period. This decrease was entirely below the 8-inch diameter class. All other hardwood diameter classes showed an increase in total numbers.

**Timber Volume**

Softwood timber volumes have declined since the 1978 survey. The current estimate of softwood growing-stock volume is 13 percent less than the 2352.0 million cubic feet recorded during the previous survey. This is contrary to the 8-percent increase in growing-stock volume that occurred between 1969 and 1978. Similarly, softwood sawtimber volume increased 17 percent from 1969 to 1978, but has decreased 6 percent since 1978. The current estimate is 8488.2 million board feet.

Contrary to softwood volumes, hardwood volumes have shown an increase since the last survey. In 1978 hardwood growing-stock volume was estimated at 1105.5 million cubic feet, 16-percent greater than the 1969 survey figure. Today growing-stock volume of hardwood is 1319.0 million cubic feet, another 19-percent increase. The same pattern is seen in sawtimber volume. The 1969 estimate of 1941.6 million board feet increased to 2172.2 million board feet in 1978. A 38-percent increase in sawtimber volume since the last survey yields the 1988 estimate of 2998.6 million board feet.

**Growth, Removals, and Mortality**

Total average net annual growth of growing stock decreased 22 percent. This decrease is due to a 35-percent decline in softwood net annual growth. The current estimate of softwood growth is 63.7 million cubic feet. Conversely, hardwood net annual growth of growing stock has increased 6 percent to 44.9 million cubic feet.

Average net annual growth of sawtimber follows a similar pattern, decreasing by 5 percent. Softwood sawtimber growth is off 19 percent from the 1978 estimate. It is now estimated at 353.5 million board feet annually. However, net annual growth of hardwood sawtimber is 135.4 million board feet. This is a 70-percent increase over the previous estimate of 79.8 million board feet.

Softwood average annual removals show a very large increase over previous levels. Removals of softwood growing stock are up 32 percent to 95.3 million cubic feet. Softwood sawtimber removals are currently estimated at 402.7 million board feet, or 46 percent greater than the 1978 figure.

As with softwood removals, average annual removals of hardwood are up, though to a lesser degree. Growing-stock removals are up 8 percent to 25.6 million cubic feet. Removals of hardwood sawtimber increased to 50.3 million board feet. However, this is only a 4-percent increase from the last survey.

The sharp decrease in average annual growth of softwoods combined with the increase in average annual removals of softwoods has created a situation of some concern. Total average annual removals exceed total average annual growth of growing stock. This could have serious implications upon future softwood supplies for the Ouachita area.

Ouachita mortality estimates have increased since 1978. Growing-stock mortality is currently estimated at 22.1 million cubic feet, a jump of 110 percent. The current survey also shows sawtimber mortality up 125 percent to 49.9 million board feet.

Tables 1-25 were developed to provide compatability among Forest Inventory and Analysis Projects. Tables 26-35 are supplementary tables and may change from unit to unit or State to State to address specific resource issues.

## DEFINITION OF TERMS

*Average net annual growth.*—Average net annual volume increase for the inter-survey period.

*Average annual mortality.*—Average annual sound-wood volume of growing-stock trees dying from natural causes.

*Average annual removals.*—Average net annual volume of growing-stock trees removed from the inventory by harvesting, cultural operations (such as timber-stand improvement), land clearing, or changes in land use.

*Commercial species.*—Tree species which normally develop into trees suitable for industrial wood products.

*Forest type.*—A classification of forest land based upon the species forming a plurality of live-tree stocking.

*Growing-stock trees.*—Live trees of commercial species. Rough and rotten trees are excluded.

*Growing-stock volume.*—The cubic-foot volume of sound wood in growing-stock trees at least 5.0 inches in diameter at breast height, from a 1-foot stump to a minimum 4.0-inch top diameter outside bark of the central stem, or to the point where the central stem breaks into limbs.

*Live trees.*—Commercial and noncommercial tree species of sapling size or larger.

*Natural stands.*—Stands with no evidence of artificial regeneration. This includes those established by seed tree regeneration methods.

*Noncommercial species.*—Tree species of typically small size, poor form, or inferior quality which normally do not develop into trees suitable for industrial wood products.

*Planted stands.*—Stands with some evidence of planting or direct seeding.

*Poletimber trees.*—Growing-stock trees at least 5.0 inches in diameter at breast height, but smaller than sawtimber size.

*Reserved timberland.*—Productive public forest land withdrawn from timber utilization through statute or administrative regulations.

*Rotten trees.*—Live trees of commercial species that do not contain at least one 12-foot log or two 8-foot logs in the saw-log portion, now or prospectively, primarily because of rot.

*Rough trees.*—Live trees of commercial species that do not contain at least one 12-foot log or two 8-foot logs in the saw-log portion, now or prospectively, primarily because of roughness or poor form. Also included are all live trees of noncommercial species.

*Saplings.*—Growing-stock trees at least 1.0 inches but less than 5.0 inches in diameter at breast height.

*Sawtimber trees.*—Live trees that contain at least one 12-foot log, or two 8-foot logs in the saw-log portion, and meet regional specifications for freedom from defect. Softwoods must be at least 9.0 inches in diameter at breast height and hardwoods at least 11.0 inches in diameter at breast height.

*Sawtimber volume.*—Sound-wood volume of the saw-log portion of growing-stock sawtimber trees in board feet, International 1/4-inch rule and in cubic feet.

*Seedlings.*—Growing-stock trees less than 1.0 inches in diameter at breast height and greater than one foot tall for hardwoods, greater than six

inches tall for softwoods, and greater than one-half inch in diameter at ground level for longleaf pine.

*Select red oaks.*—A classification of several red oak species composed of: cherrybark, Shumard, and northern red oaks.

*Select white oaks.*—A classification of several white oak species composed of: white, swamp chestnut, swamp white, chinkapin, Durand, and bur oaks.

*Site class.*—A classification of forest land in terms of inherent capacity to grow crops of industrial wood.

*Stand-size class.*—A classification of forest land based on the diameter size class of growing-stock trees on the sampled area; that is, sawtimber, poletimber, or sapling and seedling.

*Timberland.*—Forest land that is producing, or is capable of producing, crops of industrial wood and not withdrawn from timber utilization. Timberland is synonymous with "commercial forest land" in prior reports.

*Tree grade.*—A classification of the volume of the saw-log portion of sawtimber trees, based on: 1) the log grade of the butt log, or 2) ability to produce at least one 12-foot or two 8-foot logs in the upper-section of the saw-log portion.

*Woodland.*—Forest land incapable of yielding crops of industrial wood because of adverse site conditions.

## Core Tables 1-25

**Table 1**–*Area by county and land class, Ouachita Counties, Arkansas, 1988*

| County | All land[1] | Forest land | | | | Nonforest land |
|---|---|---|---|---|---|---|
| | | Total | Timberland[2] | Woodland[3] | Reserved timberland | |
| | *Thousand acres* | | | | | |
| Garland | 420.4 | 333.7 | 328.9 | ... | 4.8 | 86.7 |
| Logan | 448.9 | 252.9 | 242.1 | 6.1 | 4.7 | 196.0 |
| Montgomery | 495.7 | 413.4 | 413.4 | ... | ... | 82.2 |
| Perry | 352.3 | 263.8 | 260.8 | ... | 3.0 | 88.4 |
| Polk | 550.6 | 408.9 | 381.6 | 5.5 | 21.8 | 141.7 |
| Pulaski | 490.8 | 201.8 | 201.8 | ... | ... | 289.0 |
| Saline | 464.1 | 356.8 | 349.7 | ... | 7.1 | 107.3 |
| Scott | 573.7 | 448.2 | 442.7 | ... | 5.5 | 125.6 |
| Sebastian | 342.3 | 156.3 | 149.6 | ... | 6.7 | 186.1 |
| Yell | 595.4 | 402.0 | 401.5 | ... | 0.5 | 193.4 |
| All counties | 4734.2 | 3237.8 | 3172.2 | 11.5 | 54.1 | 1496.4 |

[1]From U.S. Bureau of the Census.
[2]Forest land (formerly termed commercial forest land) that is producing or capable of producing at least 20 cubic feet of industrial wood per acre per year. Includes areas which may be inaccessible or inoperable by current standards. Excludes reserved timberlands.
[3]Forest land incapable of producing 20 cubic feet of industrial wood per acre per year under natural conditions because of adverse site conditions.

**Table 2**–*Area of timberland by county and land class, Ouachita Counties, Arkansas, 1988*

| County | All ownerships | National forest | Misc. federal | State | County and municipal | Forest industry[1] | Farmer | Corporate[2] | Individual[2] |
|---|---|---|---|---|---|---|---|---|---|
| | Thousand acres | | | | | | | | |
| Garland | 328.9 | 97.1 | 5.4 | ... | 5.4 | 118.6 | ... | 16.2 | 86.3 |
| Logan | 242.1 | 90.8 | 24.2 | ... | ... | 12.1 | 24.2 | 6.1 | 84.7 |
| Montgomery | 413.4 | 307.1 | 5.9 | ... | ... | 53.2 | 11.8 | 5.9 | 29.5 |
| Perry | 260.8 | 70.6 | ... | 5.4 | ... | 135.8 | 21.7 | 5.4 | 21.7 |
| Polk | 381.6 | 158.1 | ... | 5.5 | 16.4 | 81.8 | 27.3 | 5.5 | 87.2 |
| Pulaski | 201.8 | ... | 25.9 | ... | ... | 41.4 | 25.9 | 51.7 | 56.9 |
| Saline | 349.7 | 27.8 | ... | ... | 5.6 | 172.1 | 16.7 | 27.8 | 99.9 |
| Scott | 442.7 | 356.4 | ... | ... | ... | 5.7 | 5.7 | 11.5 | 63.2 |
| Sebastian | 149.6 | ... | 45.5 | ... | 6.5 | ... | 32.5 | 6.5 | 58.5 |
| Yell | 401.5 | 200.8 | 11.2 | 11.2 | ... | 78.1 | 50.2 | ... | 50.2 |
| All counties | 3172.2 | 1308.7 | 118.1 | 22.0 | 33.8 | 698.8 | 216.0 | 136.5 | 638.3 |

[1]Includes land leased to forest industry.
[2]Indian land will be classed as corporate or individual as defined by the Bureau of Indian Affairs.

**Table 3**–*Area of timberland by county and forest type group, Ouachita Counties, Arkansas, 1988*

| County | Total | Forest type group | | | | | |
|---|---|---|---|---|---|---|---|
| | | Loblolly-shortleaf pine | | Oak-pine | Oak-hickory | Oak-gum-cypress | Elm-ash-cottonwood |
| | | Planted | Natural | | | | |
| | *Thousand acres* | | | | | | |
| Garland | 328.9 | 70.1 | 64.7 | 43.1 | 151.0 | ... | ... |
| Logan | 242.1 | ... | 60.5 | 90.8 | 84.7 | 6.1 | ... |
| Montgomery | 413.4 | 11.8 | 135.8 | 106.3 | 159.5 | ... | ... |
| Perry | 260.8 | 27.2 | 92.4 | 76.1 | 54.3 | 10.9 | ... |
| Polk | 381.6 | 32.7 | 43.6 | 141.7 | 163.6 | ... | ... |
| Pulaski | 201.8 | 5.2 | 25.9 | 51.7 | 88.0 | 25.9 | 5.2 |
| Saline | 349.7 | 44.4 | 66.6 | 94.4 | 105.5 | 38.9 | ... |
| Scott | 442.7 | 23.0 | 189.7 | 92.0 | 138.0 | ... | ... |
| Sebastian | 149.6 | ... | 6.5 | 19.5 | 91.1 | 19.5 | 13.0 |
| Yell | 401.5 | 27.9 | 106.0 | 117.1 | 78.1 | 72.5 | ... |
| All counties | 3172.2 | 242.2 | 791.7 | 832.8 | 1113.6 | 173.7 | 18.2 |

**Table 4**–*Area of timberland by county and stand-size class, Ouachita Counties, Arkansas, 1988*

| County | All classes | Stand-size class | | | |
|---|---|---|---|---|---|
| | | Sawtimber | Poletimber | Sapling-seedling | Nonstocked[1] areas |
| | *Thousand acres* | | | | |
| Garland | 328.9 | 118.6 | 97.1 | 113.2 | ... |
| Logan | 242.1 | 84.7 | 72.6 | 78.7 | 6.1 |
| Montgomery | 413.4 | 194.9 | 135.8 | 82.7 | ... |
| Perry | 260.8 | 103.2 | 81.5 | 76.1 | ... |
| Polk | 381.6 | 109.0 | 163.6 | 109.0 | ... |
| Pulaski | 201.8 | 82.8 | 82.8 | 36.2 | ... |
| Saline | 349.7 | 116.6 | 105.5 | 122.1 | 5.6 |
| Scott | 442.7 | 224.2 | 149.5 | 69.0 | ... |
| Sebastian | 149.6 | 26.0 | 52.0 | 71.5 | ... |
| Yell | 401.5 | 172.9 | 139.4 | 78.1 | 11.2 |
| All counties | 3172.2 | 1233.0 | 1079.8 | 836.7 | 22.8 |

[1]Timberland less than 16.7 percent stocked.

**Table 5**–*Area of timberland by county and site class, Ouachita Counties, Arkansas, 1988*

| County | All classes | Site class (cubic feet/acre/year) | | | | |
|---|---|---|---|---|---|---|
| | | >165 | 120-165 | 85-120 | 50-85 | <50 |
| | *Thousand acres* | | | | | |
| Garland | 328.9 | 5.4 | ... | 59.3 | 237.2 | 27.0 |
| Logan | 242.1 | ... | 6.1 | 6.1 | 115.0 | 115.0 |
| Montgomery | 413.4 | ... | 17.7 | 94.5 | 242.2 | 59.1 |
| Perry | 260.8 | ... | ... | 27.2 | 206.5 | 27.2 |
| Polk | 381.6 | ... | ... | 109.0 | 223.5 | 49.1 |
| Pulaski | 201.8 | ... | 5.2 | 46.6 | 113.8 | 36.2 |
| Saline | 349.7 | 5.6 | 16.7 | 99.9 | 183.2 | 44.4 |
| Scott | 442.7 | 5.7 | 11.5 | 86.2 | 270.2 | 69.0 |
| Sebastian | 149.6 | ... | ... | 6.5 | 65.0 | 78.0 |
| Yell | 401.5 | 11.2 | 16.7 | 66.9 | 251.0 | 55.8 |
| All counties | 3172.2 | 27.8 | 73.8 | 602.2 | 1907.6 | 560.7 |

**Table 6**–*Area of timberland by county and stocking classes of growing-stock trees, Ouachita Counties, Arkansas, 1988*

| County | All classes | Stocking class (percent) | | | | |
|---|---|---|---|---|---|---|
| | | >130 | 100-130 | 60-100 | 16.7-60 | <16.7 |
| | *Thousand acres* | | | | | |
| Garland | 328.9 | 16.2 | 75.5 | 172.5 | 64.7 | ... |
| Logan | 242.1 | ... | 30.3 | 127.1 | 78.7 | 6.1 |
| Montgomery | 413.4 | 11.8 | 124.0 | 200.8 | 76.8 | ... |
| Perry | 260.8 | 16.3 | 48.9 | 168.5 | 27.2 | ... |
| Polk | 381.6 | 10.9 | 76.3 | 196.3 | 98.1 | ... |
| Pulaski | 201.8 | ... | 15.5 | 93.1 | 93.1 | ... |
| Saline | 349.7 | 16.7 | 94.4 | 172.1 | 61.1 | 5.6 |
| Scott | 442.7 | 11.5 | 132.2 | 247.2 | 51.7 | ... |
| Sebastian | 149.6 | ... | 13.0 | 65.0 | 71.5 | ... |
| Yell | 401.5 | 5.6 | 61.3 | 217.5 | 106.0 | 11.2 |
| All counties | 3172.2 | 88.9 | 671.5 | 1660.1 | 728.9 | 22.8 |

**Table 7**–*Area of timberland by forest type and ownership class, Ouachita Counties, Arkansas, 1988*

| Forest type[1] | All ownerships | National forest | Other public | Forest industry | Forest industry-leased | Other private |
|---|---|---|---|---|---|---|
| | *Thousand acres* | | | | | |
| Loblolly-shortleaf pine | 1034.0 | 579.8 | 22.0 | 301.7 | ... | 130.5 |
| Softwood total | 1034.0 | 579.8 | 22.0 | 301.7 | ... | 130.5 |
| Oak-pine | 832.8 | 335.7 | 22.7 | 220.6 | ... | 253.8 |
| Oak-hickory | 1113.6 | 376.4 | 69.4 | 165.4 | ... | 502.4 |
| Oak-gum-cypress | 173.7 | 16.7 | 46.8 | 11.1 | ... | 99.0 |
| Elm-ash-cottonwood | 18.2 | ... | 13.0 | ... | ... | 5.2 |
| Hardwood total | 2138.2 | 728.8 | 152.0 | 397.1 | ... | 860.3 |
| All types | 3172.2 | 1308.7 | 173.9 | 698.8 | ... | 990.8 |

[1]Forest type is based on species plurality of all live trees. Mixed types that in combination contain a majority of hardwood stocking are hardwood types.

**Table 8**–*Area of timberland by ownership and stocking classes of growing-stock trees, Ouachita Counties, Arkansas, 1988*

| Ownership class | All classes | Stocking class (percent) | | | | |
|---|---|---|---|---|---|---|
| | | >130 | 100-130 | 60-100 | 16.7-60 | <16.7 |
| | *Thousand acres* | | | | | |
| National forest | 1308.7 | 61.6 | 342.7 | 682.9 | 221.4 | ... |
| Other public | 173.9 | ... | 22.5 | 67.0 | 84.5 | ... |
| Forest industry | 698.8 | 27.3 | 160.4 | 362.4 | 143.2 | 5.6 |
| Other private | 990.8 | ... | 145.9 | 547.8 | 279.9 | 17.2 |
| All ownerships | 3172.2 | 88.9 | 671.5 | 1660.1 | 728.9 | 22.8 |

**Table 9**–*Area of timberland by forest type and stand-size class, Ouachita Counties, Arkansas, 1988*

| Forest type[1] | All classes | Stand-size class: Sawtimber | Poletimber | Sapling-seedling | Nonstocked[2] areas |
|---|---|---|---|---|---|
| | *Thousand acres* | | | | |
| Loblolly-shortleaf pine | 1034.0 | 590.6 | 206.2 | 237.1 | ... |
| Softwood total | 1034.0 | 590.6 | 206.2 | 237.1 | ... |
| Oak-pine | 832.8 | 312.6 | 286.3 | 233.9 | ... |
| Oak-hickory | 1113.6 | 235.0 | 525.0 | 342.0 | 11.6 |
| Oak-gum-cypress | 173.7 | 88.3 | 57.1 | 17.1 | 11.1 |
| Elm-ash-cottonwood | 18.2 | 6.5 | 5.2 | 6.5 | ... |
| Hardwood total | 2138.2 | 642.4 | 873.6 | 599.5 | 22.8 |
| All types | 3172.2 | 1233.0 | 1079.8 | 836.7 | 22.8 |

[1]Forest type is based on species plurality of all live trees. Mixed types that in combination contain a majority of hardwood stocking are hardwood types.
[2]Timberland less than 16.7 percent stocked.

**Table 10**–*Number of live trees on timberland by species and diameter class, Ouachita Counties, Arkansas, 1988*

| Species | All classes | Diameter class (inches at breast height): 1.0-2.9 | 3.0-4.9 | 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Thousand trees* | | | | | | | | | | | | |
| Shortleaf-loblolly pine | 513678 | 215709 | 115400 | 62457 | 45872 | 32925 | 21467 | 12088 | 4879 | 1775 | 795 | 306 | 4 |
| Cypress | 898 | 498 | ... | ... | 48 | 66 | 137 | 42 | 98 | ... | 8 | ... | ... |
| Other softwoods | 53316 | 34598 | 10651 | 5125 | 1927 | 616 | 196 | 150 | 17 | 25 | 12 | ... | ... |
| Total softwoods | 567893 | 250806 | 126051 | 67582 | 47847 | 33608 | 21800 | 12281 | 4994 | 1800 | 815 | 306 | 4 |
| Select white oaks | 157858 | 67203 | 36954 | 23795 | 15087 | 7215 | 2471 | 2102 | 1343 | 794 | 508 | 379 | 8 |
| Select red oaks | 56764 | 24840 | 13235 | 6899 | 4794 | 3168 | 1867 | 801 | 522 | 321 | 105 | 201 | 12 |
| Other white oaks | 157724 | 77620 | 36244 | 19980 | 10700 | 5907 | 2805 | 2501 | 1018 | 493 | 169 | 283 | 4 |
| Other red oaks | 100568 | 56093 | 19952 | 8999 | 6039 | 3531 | 2081 | 1430 | 1068 | 678 | 287 | 348 | 60 |
| Hickory | 241913 | 147457 | 56294 | 22797 | 8763 | 3848 | 1601 | 642 | 293 | 120 | 59 | 39 | ... |
| Hard maple | 5572 | 3733 | 1500 | 278 | 62 | ... | ... | ... | ... | ... | ... | ... | ... |
| Soft maple | 63914 | 46312 | 12222 | 3257 | 1399 | 412 | 186 | 39 | 56 | 13 | 9 | 8 | ... |
| Beech | 9 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 9 | ... | ... |
| Sweetgum | 96100 | 53112 | 21616 | 9318 | 4560 | 3339 | 1853 | 1339 | 549 | 229 | 107 | 69 | 7 |
| Tupelo-blackgum | 81981 | 63916 | 9742 | 3643 | 1784 | 974 | 616 | 620 | 391 | 100 | 99 | 92 | 4 |
| Ash | 30569 | 22691 | 3996 | 1309 | 1243 | 635 | 326 | 143 | 165 | 25 | 18 | 18 | ... |
| Cottonwood-aspen | 20 | ... | ... | ... | ... | ... | ... | ... | 20 | ... | ... | ... | ... |
| Basswood | 3276 | 1581 | 1003 | 366 | 68 | 174 | 56 | 21 | ... | ... | ... | 7 | ... |
| Other hardwoods | 317318 | 246907 | 50728 | 11341 | 4154 | 2351 | 814 | 517 | 194 | 144 | 41 | 122 | 5 |
| Total hardwoods | 1313587 | 811465 | 263486 | 111982 | 58653 | 31556 | 14676 | 10154 | 5619 | 2917 | 1411 | 1566 | 100 |
| Noncommercial | 186262 | 150103 | 27068 | 5821 | 1806 | 884 | 411 | 62 | 63 | 27 | 10 | 7 | ... |
| All species | 2067742 | 1212374 | 416605 | 185385 | 108305 | 66048 | 36887 | 22497 | 10677 | 4744 | 2236 | 1879 | 105 |

**Table 11**—*Number of growing-stock trees on timberland by species and diameter class, Ouachita Counties, Arkansas, 1988*

| Species | All classes | Diameter class (inches at breast height) 1.0-2.9 | 3.0-4.9 | 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Thousand trees* | | | | | | | | | | | | |
| Shortleaf-loblolly pine | 403233 | 145710 | 86337 | 54039 | 43641 | 32469 | 21324 | 12026 | 4849 | 1762 | 774 | 297 | 4 |
| Cypress | 400 | ... | ... | ... | 48 | 66 | 137 | 42 | 98 | ... | 8 | ... | ... |
| Other softwoods | 42651 | 26031 | 9628 | 4398 | 1870 | 376 | 144 | 150 | 17 | 25 | 12 | ... | ... |
| Total softwoods | 446284 | 171741 | 95966 | 58438 | 45559 | 32911 | 21605 | 12218 | 4963 | 1787 | 794 | 297 | 4 |
| Select white oaks | 101818 | 28073 | 27629 | 19600 | 14026 | 6656 | 2235 | 1560 | 989 | 536 | 301 | 204 | 8 |
| Select red oaks | 32603 | 6773 | 11172 | 5500 | 4017 | 2587 | 1286 | 506 | 336 | 209 | 77 | 134 | 8 |
| Other white oaks | 69856 | 21411 | 16222 | 14430 | 8541 | 4531 | 1828 | 1646 | 628 | 363 | 89 | 169 | ... |
| Other red oaks | 67150 | 31121 | 15353 | 7468 | 5566 | 3055 | 1680 | 1140 | 819 | 475 | 228 | 212 | 35 |
| Hickory | 88927 | 31052 | 28715 | 16663 | 7259 | 3089 | 1172 | 542 | 248 | 108 | 39 | 39 | ... |
| Hard maple | 839 | ... | 500 | 278 | 62 | ... | ... | ... | ... | ... | ... | ... | ... |
| Soft maple | 15388 | 8630 | 3991 | 1557 | 958 | 154 | 24 | 39 | 27 | ... | 9 | ... | ... |
| Sweetgum | 54005 | 19647 | 16068 | 7449 | 3723 | 3271 | 1748 | 1232 | 504 | 229 | 86 | 44 | 4 |
| Tupelo-blackgum | 25555 | 16187 | 3545 | 2767 | 1224 | 690 | 356 | 362 | 241 | 76 | 71 | 32 | 4 |
| Ash | 10020 | 4805 | 2011 | 1081 | 994 | 546 | 326 | 85 | 119 | 25 | 18 | 8 | ... |
| Cottonwood-aspen | 20 | ... | ... | ... | ... | ... | ... | ... | 20 | ... | ... | ... | ... |
| Basswood | 1620 | ... | 1003 | 366 | ... | 174 | 56 | 21 | ... | ... | ... | ... | ... |
| Other hardwoods | 79115 | 45592 | 21140 | 6558 | 2876 | 1765 | 590 | 257 | 118 | 109 | 31 | 74 | 2 |
| Total hardwoods | 546914 | 213290 | 147348 | 83715 | 49247 | 26518 | 11301 | 7390 | 4048 | 2130 | 949 | 917 | 61 |
| All species | 993199 | 385031 | 243314 | 142153 | 94806 | 59429 | 32906 | 19608 | 9011 | 3917 | 1743 | 1214 | 65 |

**Table 12**—*Volume of growing stock on timberland by species and diameter class, Ouachita Counties, Arkansas, 1988*

| Species | All classes | Diameter class (inches at breast height) 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Million cubic feet* | | | | | | | | | | |
| Shortleaf-loblolly pine | 2017.9 | 140.4 | 303.0 | 430.3 | 433.2 | 349.7 | 193.4 | 92.9 | 49.2 | 25.5 | 0.5 |
| Cypress | 6.2 | ... | 0.2 | 0.8 | 1.6 | 0.9 | 2.5 | ... | 0.2 | ... | ... |
| Other softwoods | 26.4 | 10.0 | 8.1 | 3.0 | 1.8 | 2.1 | 0.4 | 0.7 | 0.5 | ... | ... |
| Total softwoods | 2050.5 | 150.3 | 311.3 | 434.0 | 436.6 | 352.6 | 196.2 | 93.6 | 49.9 | 25.5 | 0.5 |
| Select white oaks | 332.4 | 51.0 | 77.9 | 65.7 | 34.7 | 32.6 | 29.1 | 18.4 | 12.8 | 9.9 | 0.2 |
| Select red oaks | 124.9 | 15.9 | 23.4 | 24.8 | 19.8 | 11.0 | 8.7 | 8.2 | 3.5 | 8.8 | 0.9 |
| Other white oaks | 203.8 | 31.9 | 41.8 | 39.5 | 23.5 | 30.0 | 14.0 | 10.8 | 3.8 | 8.5 | ... |
| Other red oaks | 193.6 | 17.8 | 29.9 | 28.5 | 26.3 | 24.7 | 23.3 | 16.8 | 10.2 | 12.7 | 3.3 |
| Hickory | 133.1 | 32.1 | 32.3 | 26.3 | 16.4 | 10.9 | 6.9 | 3.8 | 1.9 | 2.4 | ... |
| Hard maple | 1.4 | 0.9 | 0.5 | ... | ... | ... | ... | ... | ... | ... | ... |
| Soft maple | 12.1 | 3.7 | 4.6 | 1.3 | 0.4 | 0.9 | 0.8 | ... | 0.5 | ... | ... |
| Sweetgum | 170.5 | 15.5 | 21.6 | 36.9 | 31.2 | 30.2 | 16.0 | 10.5 | 5.2 | 3.0 | 0.4 |
| Tupelo-blackgum | 44.1 | 5.7 | 5.8 | 5.7 | 5.5 | 7.1 | 6.6 | 2.4 | 3.1 | 1.6 | 0.6 |
| Ash | 26.5 | 2.8 | 5.8 | 5.4 | 4.9 | 1.9 | 3.5 | 0.9 | 0.9 | 0.4 | ... |
| Cottonwood-aspen | 0.5 | ... | ... | ... | ... | ... | 0.5 | ... | ... | ... | ... |
| Basswood | 3.4 | 0.8 | ... | 1.3 | 0.8 | 0.5 | ... | ... | ... | ... | ... |
| Other hardwoods | 72.8 | 14.9 | 13.9 | 16.7 | 8.8 | 4.8 | 2.9 | 4.2 | 1.5 | 5.0 | 0.2 |
| Total hardwoods | 1319.0 | 192.9 | 257.7 | 252.1 | 172.2 | 154.6 | 112.2 | 76.1 | 43.5 | 52.3 | 5.6 |
| All species | 3369.6 | 343.2 | 568.9 | 686.1 | 608.8 | 507.2 | 308.4 | 169.6 | 93.4 | 77.8 | 6.0 |

**Table 13**–*Volume of growing stock in the saw-log portion of sawtimber[1] trees on timberland by species and diameter class, Ouachita Counties, Arkansas, 1988*

| Species | All classes | Diameter class (inches at breast height) 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
|---|---|---|---|---|---|---|---|---|---|
| | *Million cubic feet* | | | | | | | | |
| Shortleaf-loblolly pine | 1376.9 | 362.5 | 382.6 | 312.7 | 171.1 | 83.0 | 42.7 | 22.0 | 0.4 |
| Cypress | 5.1 | 0.6 | 1.3 | 0.8 | 2.2 | ... | 0.2 | ... | ... |
| Other softwoods | 7.4 | 2.3 | 1.7 | 1.9 | 0.4 | 0.7 | 0.5 | ... | ... |
| Total softwoods | 1389.4 | 365.5 | 385.6 | 315.4 | 173.6 | 83.7 | 43.4 | 22.0 | 0.4 |
| Select white oaks | 112.7 | ... | 27.1 | 27.1 | 24.4 | 15.0 | 10.7 | 8.3 | 0.2 |
| Select red oaks | 50.8 | ... | 15.4 | 9.3 | 7.7 | 6.9 | 3.2 | 7.6 | 0.8 |
| Other white oaks | 76.8 | ... | 18.8 | 25.7 | 12.4 | 9.0 | 3.2 | 7.6 | ... |
| Other red oaks | 99.1 | ... | 19.9 | 20.9 | 20.3 | 14.7 | 8.7 | 11.6 | 2.9 |
| Hickory | 35.9 | ... | 13.4 | 9.2 | 6.0 | 3.2 | 1.8 | 2.2 | ... |
| Soft maple | 1.9 | ... | 0.3 | 0.7 | 0.6 | ... | 0.3 | ... | ... |
| Sweetgum | 77.8 | ... | 21.3 | 25.3 | 13.7 | 9.5 | 4.9 | 2.8 | 0.3 |
| Tupelo-blackgum | 22.8 | ... | 4.3 | 6.0 | 6.0 | 2.1 | 2.9 | 1.0 | 0.5 |
| Ash | 10.3 | ... | 3.8 | 1.7 | 3.0 | 0.7 | 0.8 | 0.3 | ... |
| Cottonwood-aspen | 0.4 | ... | ... | ... | 0.4 | ... | ... | ... | ... |
| Basswood | 1.2 | ... | 0.7 | 0.5 | ... | ... | ... | ... | ... |
| Other hardwoods | 22.8 | ... | 6.7 | 3.9 | 2.6 | 3.7 | 1.3 | 4.4 | 0.2 |
| Total hardwoods | 512.4 | ... | 131.6 | 130.3 | 97.1 | 64.9 | 37.7 | 45.8 | 4.9 |
| All species | 1901.9 | 365.5 | 517.1 | 445.7 | 270.7 | 148.6 | 81.1 | 67.7 | 5.3 |

[1]That part of the bole of sawtimber trees between a 1-foot stump and saw-log top, including the portion of the forks large enough to contain a saw log.

**Table 14**–*Volume of sawtimber on timberland by species and diameter class, Ouachita Counties, Arkansas, 1988*

| Species | All classes | Diameter class (inches at breast height) 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
|---|---|---|---|---|---|---|---|---|---|
| | *Million board feet* | | | | | | | | |
| Shortleaf-loblolly pine | 8429.4 | 2034.4 | 2298.5 | 1973.8 | 1114.4 | 560.2 | 290.0 | 154.4 | 2.7 |
| Cypress | 22.7 | 2.9 | 5.9 | 3.5 | 10.1 | ... | 0.3 | ... | ... |
| Other softwoods | 37.1 | 11.2 | 8.3 | 9.2 | 1.8 | 3.8 | 2.9 | ... | ... |
| Total softwoods | 8488.2 | 2048.4 | 2312.7 | 1986.5 | 1126.3 | 564.0 | 293.2 | 154.4 | 2.7 |
| Select white oaks | 675.1 | ... | 150.3 | 159.4 | 148.2 | 93.6 | 70.0 | 53.3 | 0.2 |
| Select red oaks | 302.8 | ... | 87.4 | 54.5 | 45.7 | 42.5 | 20.8 | 47.6 | 4.3 |
| Other white oaks | 447.0 | ... | 100.9 | 147.4 | 72.8 | 54.9 | 20.4 | 50.5 | ... |
| Other red oaks | 573.5 | ... | 107.8 | 118.8 | 119.1 | 88.3 | 54.0 | 70.2 | 15.3 |
| Hickory | 210.9 | ... | 73.3 | 54.4 | 38.1 | 21.1 | 10.9 | 13.0 | ... |
| Soft maple | 11.0 | ... | 1.5 | 4.2 | 3.4 | ... | 2.0 | ... | ... |
| Sweetgum | 449.1 | ... | 117.1 | 144.9 | 80.3 | 58.1 | 29.2 | 17.7 | 2.0 |
| Tupelo-blackgum | 132.4 | ... | 24.4 | 33.7 | 34.6 | 12.8 | 17.1 | 6.2 | 3.5 |
| Ash | 58.6 | ... | 21.0 | 9.9 | 17.3 | 4.0 | 4.5 | 2.0 | ... |
| Cottonwood-aspen | 2.2 | ... | ... | ... | 2.2 | ... | ... | ... | ... |
| Basswood | 6.7 | ... | 3.7 | 3.1 | ... | ... | ... | ... | ... |
| Other hardwoods | 129.2 | ... | 37.9 | 21.0 | 14.9 | 21.0 | 7.5 | 26.4 | 0.5 |
| Total hardwoods | 2998.6 | ... | 725.4 | 751.3 | 576.6 | 396.3 | 236.3 | 287.0 | 25.8 |
| All species | 11486.8 | 2048.4 | 3038.1 | 2737.8 | 1702.9 | 960.2 | 529.5 | 441.3 | 28.5 |

**Table 15**–*Volume of growing stock and sawtimber on timberland by county and species group, Ouachita Counties, Arkansas, 1988*

| County | Growing stock | | | | | | Sawtimber | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Softwood | | | Hardwood | | | Softwood | | | Hardwood | |
| | | Pine | | | | | | Pine | | | | |
| | All species | Planted | Natural | Other | Soft[1] | Hard[2] | All species | Planted | Natural | Other | Soft[1] | Hard[2] |
| | *Million cubic feet* | | | | | | *Million board feet* | | | | | |
| Garland | 288.5 | 9.8 | 159.9 | 0.5 | 20.7 | 97.6 | 872.3 | 7.0 | 663.4 | 0.8 | 29.7 | 171.5 |
| Logan | 208.1 | ... | 115.8 | 5.3 | 16.2 | 70.9 | 705.0 | ... | 445.4 | 7.3 | 46.6 | 205.7 |
| Montgomery | 625.8 | 35.3 | 398.5 | 0.3 | 26.2 | 165.5 | 2432.1 | 102.7 | 1903.8 | ... | 50.8 | 374.8 |
| Perry | 238.9 | 3.6 | 160.2 | 1.1 | 15.6 | 58.4 | 848.9 | ... | 671.1 | 0.8 | 60.1 | 116.8 |
| Polk | 359.7 | 4.1 | 178.7 | 2.9 | 30.7 | 143.3 | 1062.3 | 17.7 | 734.9 | 1.5 | 71.4 | 236.8 |
| Pulaski | 177.6 | 1.6 | 65.3 | 6.8 | 27.0 | 76.8 | 556.9 | 3.3 | 276.9 | 24.7 | 67.2 | 184.8 |
| Saline | 336.9 | 25.9 | 134.3 | 0.3 | 50.7 | 125.7 | 1111.8 | 79.9 | 553.3 | ... | 136.2 | 342.4 |
| Scott | 629.9 | 36.1 | 420.7 | 7.6 | 30.1 | 135.4 | 2138.4 | 126.5 | 1673.3 | 12.5 | 81.2 | 242.8 |
| Sebastian | 51.4 | ... | 6.7 | 2.2 | 10.9 | 31.7 | 117.1 | ... | 16.1 | 7.1 | 12.9 | 81.0 |
| Yell | 452.8 | 6.0 | 255.7 | 5.5 | 65.2 | 120.5 | 1642.0 | 23.0 | 1128.1 | 5.0 | 169.1 | 316.8 |
| All counties | 3369.6 | 122.3 | 1895.7 | 32.6 | 293.2 | 1025.8 | 11486.8 | 360.1 | 8068.4 | 59.8 | 725.2 | 2273.5 |

[1]Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.
[2]Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

**Table 16**–*Volume of timber on timberland by class of timber and species group, Ouachita Counties, Arkansas, 1988*

| Class of timber | All species | Softwood | | | Hardwood | |
|---|---|---|---|---|---|---|
| | | Pine | | | | |
| | | Planted | Natural | Other | Soft[1] | Hard[2] |
| | *Million cubic feet* | | | | | |
| Sawtimber trees: | | | | | | |
| Saw-log portion | 1901.9 | 58.7 | 1318.3 | 12.5 | 125.7 | 386.7 |
| Upper-stem portion | 303.5 | 10.1 | 187.5 | 1.9 | 28.0 | 76.0 |
| Total | 2205.4 | 68.8 | 1505.8 | 14.4 | 153.7 | 462.7 |
| Poletimber trees | 1164.2 | 53.5 | 389.9 | 18.2 | 139.5 | 563.1 |
| All growing-stock trees | 3369.6 | 122.3 | 1895.7 | 32.6 | 293.2 | 1025.8 |
| Rough trees: | | | | | | |
| Sawtimber size | 109.4 | 0.2 | 6.6 | 1.7 | 13.8 | 87.0 |
| Poletimber size | 150.3 | 8.2 | 23.9 | 1.2 | 24.8 | 92.3 |
| Total | 259.7 | 8.4 | 30.5 | 2.9 | 38.6 | 179.4 |
| Rotten trees: | | | | | | |
| Sawtimber size | 39.6 | ... | 0.2 | 0.1 | 10.9 | 28.3 |
| Poletimber size | 4.3 | . | ... | ... | 2.0 | 2.3 |
| Total | 43.9 | ... | 0.2 | 0.1 | 12.9 | 30.6 |
| Salvable dead trees: | | | | | | |
| Sawtimber size | 12.9 | 0.6 | 6.3 | 0.2 | ... | 5.7 |
| Poletimber size | 9.9 | 1.1 | 4.2 | 0.7 | 1.1 | 2.8 |
| Total | 22.8 | 1.7 | 10.5 | 1.0 | 1.1 | 8.5 |
| All classes | 3696.0 | 132.4 | 1936.9 | 36.6 | 345.9 | 1244.2 |

[1]Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.
[2]Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

**Table 17**–*Volume of live trees and growing stock on timberland by ownership class and species group, Ouachita Counties, Arkansas, 1988*

| Ownership class | Live trees | | | | | | Growing stock | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Softwood | | | Hardwood | | | Softwood | | | Hardwood | |
| | | Pine | | | | | | Pine | | | | |
| | All species | Planted | Natural | Other | Soft[1] | Hard[2] | All species | Planted | Natural | Other | Soft[1] | Hard[2] |
| | *Million cubic feet* | | | | | | | | | | | |
| National forest | 2048.3 | 71.5 | 1318.4 | 9.0 | 107.5 | 541.9 | 1888.5 | 65.8 | 1295.1 | 8.6 | 86.0 | 432.9 |
| Other public | 175.7 | 1.6 | 35.6 | 2.4 | 47.9 | 88.2 | 157.6 | 1.6 | 35.2 | 2.4 | 41.9 | 76.5 |
| Forest industry | 503.2 | 28.1 | 292.5 | 2.2 | 31.1 | 149.2 | 471.4 | 26.4 | 289.3 | 1.7 | 25.4 | 128.6 |
| Other private | 946.0 | 29.4 | 279.8 | 22.1 | 158.2 | 456.4 | 852.0 | 28.4 | 276.0 | 19.9 | 139.8 | 387.8 |
| All ownerships | 3673.2 | 130.7 | 1926.3 | 35.7 | 344.7 | 1235.8 | 3369.6 | 122.3 | 1895.7 | 32.6 | 293.2 | 1025.8 |

[1]Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.
[2]Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

**Table 18**–*Average net annual growth of growing stock and sawtimber on timberland by county and species group, Ouachita Counties, Arkansas, 1988*

| County | Growing stock | | | | | | Sawtimber | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Softwood | | | Hardwood | | | Softwood | | | Hardwood | |
| | | Pine | | | | | | Pine | | | | |
| | All species | Planted | Natural | Other | Soft[1] | Hard[2] | All species | Planted | Natural | Other | Soft[1] | Hard[2] |
| | *Million cubic feet* | | | | | | *Million board feet* | | | | | |
| Garland | 9.6 | ... | 5.1 | ... | 0.5 | 4.1 | 33.5 | 0.4 | 24.7 | 0.1 | 0.6 | 7.7 |
| Logan | 5.7 | ... | 3.8 | 0.3 | 0.5 | 1.0 | 28.3 | ... | 20.2 | 0.7 | 2.8 | 4.5 |
| Montgomery | 17.8 | 0.1 | 10.7 | ... | 1.1 | 5.8 | 97.9 | 0.6 | 75.6 | ... | 3.6 | 18.2 |
| Perry | 8.2 | 0.2 | 4.8 | 0.1 | 0.8 | 2.3 | 39.8 | 2.0 | 28.5 | 0.1 | 3.2 | 5.9 |
| Polk | 12.6 | 0.1 | 5.7 | 0.1 | 1.3 | 5.5 | 45.8 | 1.0 | 28.3 | 0.1 | 3.9 | 12.6 |
| Pulaski | 8.3 | ... | 3.0 | ... | 1.8 | 3.5 | 32.7 | ... | 16.0 | ... | 5.4 | 11.4 |
| Saline | 13.5 | 0.6 | 5.5 | ... | 1.2 | 6.2 | 56.1 | 2.2 | 30.1 | ... | 4.1 | 19.6 |
| Scott | 19.2 | 0.2 | 14.2 | 0.6 | 1.1 | 3.1 | 81.9 | 1.2 | 70.5 | 1.1 | 3.4 | 5.8 |
| Sebastian | 0.4 | ... | 0.3 | 0.1 | -0.1 | 0.2 | 5.0 | ... | 1.8 | 0.3 | 0.3 | 2.7 |
| Yell | 13.3 | ... | 8.0 | 0.2 | 1.9 | 3.4 | 67.8 | ... | 47.7 | 0.3 | 5.2 | 14.6 |
| All counties | 108.6 | 1.2 | 61.0 | 1.5 | 10.0 | 34.9 | 488.9 | 7.5 | 343.4 | 2.6 | 32.5 | 102.9 |

[1]Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.
[2]Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

**Table 19**–*Average net annual removals of growing stock and sawtimber on timberland by county and species group, Ouachita Counties, Arkansas, 1988*

| County | Growing stock | | | | | | Sawtimber | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | All species | Softwood | | | Hardwood | | All species | Softwood | | | Hardwood | |
| | | Pine | | Other | Soft[1] | Hard[2] | | Pine | | Other | Soft[1] | Hard[2] |
| | | Planted | Natural | | | | | Planted | Natural | | | |
| | *Million cubic feet* | | | | | | *Million board feet* | | | | | |
| Garland | 16.0 | ... | 11.7 | ... | 0.3 | 4.0 | 62.2 | ... | 54.2 | ... | 0.9 | 7.1 |
| Logan | 5.9 | ... | 5.2 | ... | 0.1 | 0.6 | 26.0 | ... | 24.7 | ... | ... | 1.4 |
| Montgomery | 18.8 | 1.5 | 13.0 | ... | 0.7 | 3.6 | 69.6 | 8.0 | 56.6 | ... | 0.7 | 4.3 |
| Perry | 8.9 | 0.9 | 5.8 | ... | 0.4 | 1.8 | 34.8 | 4.4 | 27.4 | ... | 1.2 | 1.9 |
| Polk | 16.8 | 0.1 | 14.9 | ... | 0.2 | 1.5 | 72.1 | 0.5 | 68.3 | ... | 0.2 | 3.2 |
| Pulaski | 3.4 | ... | 2.0 | ... | 0.4 | 1.0 | 9.2 | ... | 7.0 | ... | 0.9 | 1.3 |
| Saline | 21.7 | 2.4 | 12.3 | ... | 1.3 | 5.6 | 70.9 | 9.2 | 44.8 | ... | 3.4 | 13.6 |
| Scott | 17.4 | ... | 15.6 | 0.2 | ... | 1.6 | 66.1 | ... | 65.9 | 0.6 | ... | 1.5 |
| Sebastian | 1.2 | ... | 1.0 | ... | ... | 0.1 | 4.1 | ... | 4.1 | ... | ... | ... |
| Yell | 10.9 | ... | 8.3 | 0.3 | 0.5 | 1.8 | 37.9 | 0.1 | 28.0 | 0.9 | 2.0 | 6.8 |
| All counties | 121.0 | 4.9 | 89.8 | 0.6 | 4.0 | 21.6 | 453.0 | 22.2 | 378.9 | 1.6 | 9.3 | 41.0 |

[1]Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.
[2]Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

**Table 20**–*Average net annual growth and average annual removals of growing stock on timberland by species, Quachita Counties, Arkansas, 1988*

| Species | Growth | Removals |
|---|---|---|
| | *Million cubic feet* | |
| Yellow pines | 62.3 | 94.7 |
| Other softwoods | 1.5 | 0.6 |
| Total softwoods | 63.7 | 95.3 |
| Select white-red oaks | 16.9 | 8.4 |
| Other white-red oaks | 12.9 | 10.8 |
| Hickory | 4.0 | 2.0 |
| Hard maple | ... | ... |
| Sweetgum | 5.6 | 2.1 |
| Ash-walnut-black cherry | 1.0 | 0.3 |
| Other hardwoods | 4.4 | 2.1 |
| Total hardwoods | 44.9 | 25.6 |
| All species | 108.6 | 121.0 |

**Table 21**–*Average net annual growth and average annual removals of sawtimber on timberland by species, Ouachita Counties, Arkansas, 1988*

| Species | Growth | Removals |
|---|---|---|
| | *Million board feet* | |
| Yellow pines | 350.9 | 401.1 |
| Other softwoods | 2.6 | 1.6 |
| Total softwoods | 353.5 | 402.7 |
| Select white-red oaks | 49.8 | 15.8 |
| Other white-red oaks | 43.3 | 23.1 |
| Hickory | 7.5 | 2.0 |
| Sweetgum | 19.1 | 5.0 |
| Ash-walnut-black cherry | 3.8 | 0.5 |
| Other hardwoods | 11.9 | 3.9 |
| Total hardwoods | 135.4 | 50.3 |
| All species | 488.9 | 453.0 |

**Table 22**–*Average annual mortality of growing stock and sawtimber on timberland by species, Ouachita Counties, Arkansas, 1988*

| Species | Growing stock | Sawtimber |
|---|---|---|
| | *Million cubic feet* | *Million board feet* |
| Yellow pines | 9.4 | 23.9 |
| Other softwoods | 0.2 | 0.3 |
| Total softwoods | 9.6 | 24.2 |
| Select white-red oaks | 3.5 | 4.4 |
| Other white-red oaks | 4.4 | 11.4 |
| Hickory | 1.2 | 2.7 |
| Sweetgum | 1.7 | 4.7 |
| Ash-walnut-black cherry | 0.2 | 0.7 |
| Other hardwoods | 1.6 | 1.8 |
| Total hardwoods | 12.6 | 25.7 |
| All species | 22.1 | 49.9 |

**Table 23**–*Average net annual growth and average annual removals of growing stock on timberland by ownership class and species group, Ouachita Counties, Arkansas, 1988*

| | Growth | | | | | | Removals | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Softwood | | | Hardwood | | | Softwood | | | Hardwood | |
| | | Pine | | | | | | Pine | | | | |
| Ownership class | All species | Planted | Natural | Other | Soft[1] | Hard[2] | All species | Planted | Natural | Other | Soft[1] | Hard[2] |
| | *Million cubic feet* | | | | | | | | | | | |
| National forest | 49.5 | 0.4 | 32.1 | 0.3 | 3.2 | 13.4 | 36.7 | 0.1 | 33.0 | ... | 0.4 | 5.1 |
| Other public | 4.9 | ... | 1.4 | ... | 1.3 | 2.2 | 1.5 | ... | 0.9 | ... | 0.2 | 0.3 |
| Forest industry | 21.0 | 0.3 | 14.1 | 0.1 | 0.9 | 5.6 | 50.6 | 3.0 | 37.9 | 0.1 | 1.6 | 8.0 |
| Other private | 33.3 | 0.5 | 13.5 | 1.0 | 4.6 | 13.7 | 30.3 | 1.8 | 17.9 | 0.5 | 1.9 | 8.2 |
| All ownerships | 108.6 | 1.2 | 61.0 | 1.5 | 10.0 | 34.9 | 121.0 | 4.9 | 89.8 | 0.6 | 4.0 | 21.6 |

[1]Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.
[2]Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

**Table 24**–*Average net annual growth and average annual removals of sawtimber on timberland by ownership class and species group, Ouachita Counties, Arkansas, 1988*

| Ownership class | Growth | | | | | | Removals | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Softwood | | | Hardwood | | | Softwood | | | Hardwood | |
| | | Pine | | | | | | Pine | | | | |
| | All species | Planted | Natural | Other | Soft[1] | Hard[2] | All species | Planted | Natural | Other | Soft[1] | Hard[2] |
| | *Million board feet* | | | | | | | | | | | |
| National forest | 251.4 | 2.9 | 204.1 | 0.4 | 11.5 | 32.4 | 143.8 | ... | 140.1 | ... | 0.2 | 3.5 |
| Other public | 21.0 | ... | 5.4 | 0.4 | 4.8 | 10.5 | 5.5 | ... | 4.3 | ... | 0.9 | 0.3 |
| Forest industry | 89.6 | 1.9 | 71.4 | 0.1 | 2.5 | 13.7 | 201.2 | 13.7 | 169.7 | ... | 3.8 | 14.1 |
| Other private | 126.9 | 2.6 | 62.4 | 1.8 | 13.8 | 46.3 | 102.5 | 8.5 | 64.8 | 1.6 | 4.4 | 23.2 |
| All ownerships | 488.9 | 7.5 | 343.4 | 2.6 | 32.5 | 102.9 | 453.0 | 22.2 | 378.9 | 1.6 | 9.3 | 41.0 |

[1]Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.
[2]Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

**Table 25**–*Volume of sawtimber on timberland by species and tree grade, Ouachita Counties, Arkansas, 1988*

| Species | All grades | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 |
|---|---|---|---|---|---|---|
| | *Million board feet* | | | | | |
| Yellow pines | 8428.4 | 2678.8 | 2686.2 | 3032.1 | ... | 31.4 |
| Cypress | 22.7 | 22.4 | ... | ... | ... | 0.3 |
| Redcedar | 37.1 | 37.1 | ... | ... | ... | ... |
| Total softwoods | 8488.2 | 2738.2 | 2686.2 | 3032.1 | ... | 31.8 |
| Select white-red oaks | 977.8 | 31.1 | 150.1 | 461.5 | 293.7 | 41.5 |
| Other white-red oaks | 1020.5 | 27.2 | 123.3 | 429.4 | 385.2 | 55.5 |
| Hickory | 210.9 | 4.3 | 13.1 | 111.7 | 58.6 | 23.2 |
| Sweetgum | 449.1 | 45.5 | 81.9 | 215.9 | 84.4 | 21.5 |
| Tupelo and blackgum | 132.4 | 7.9 | 21.6 | 63.5 | 22.9 | 16.6 |
| Ash-walnut-black cherry | 82.5 | 4.1 | 8.8 | 59.7 | 1.9 | 8.1 |
| Other hardwoods | 125.3 | 7.6 | 17.0 | 58.4 | 21.4 | 20.9 |
| Total hardwoods | 2998.6 | 127.7 | 415.6 | 1400.2 | 867.9 | 187.2 |
| All species | 11486.8 | 2865.9 | 3101.8 | 4432.3 | 867.9 | 218.9 |

## Supplemental Tables 26-36

**Table 26**–*Area of timberland by stand age, forest type group and type of regeneration, Ouachita Counties, Arkansas, 1988*

| Stand age class | Pine | | Oak-pine | | Other hardwood types | |
|---|---|---|---|---|---|---|
| | Artificial | Natural | Artificial | Natural | Artificial | Natural |
| | *Thousand acres* | | | | | |
| 1-10 | 109.8 | 22.0 | 78.7 | 22.1 | 61.9 | 56.3 |
| 11-20 | 92.9 | 5.6 | ... | 5.6 | 5.4 | ... |
| 21-30 | ... | 11.3 | ... | 5.2 | ... | ... |
| 31-40 | 5.9 | ... | ... | ... | ... | 5.6 |
| 41-50 | 5.7 | 5.4 | ... | ... | ... | ... |
| >50 | 5.7 | 49.6 | ... | 21.7 | ... | ... |
| Mixed | 22.2 | 697.8 | 34.9 | 664.6 | 28.3 | 1147.9 |
| Total | 242.2 | 791.7 | 113.6 | 719.2 | 95.6 | 1209.8 |

**Table 27**–*Volume of softwood growing stock on timberland by forest type, Ouachita Counties, Arkansas, 1988*

| County | Total | Forest type group | | | | |
|---|---|---|---|---|---|---|
| | | Loblolly-shortleaf pine | | Oak-pine | Oak-hickory | Oak-gum-cypress |
| | | Planted | Natural | | | |
| | *Million cubic feet* | | | | | |
| Garland | 170.1 | 8.0 | 108.6 | 21.4 | 32.2 | ... |
| Logan | 121.1 | ... | 79.7 | 34.5 | 6.9 | ... |
| Montgomery | 434.0 | 25.4 | 318.3 | 64.0 | 26.4 | ... |
| Perry | 164.9 | 3.2 | 115.7 | 41.3 | 4.0 | 0.7 |
| Polk | 185.7 | 1.3 | 73.6 | 88.4 | 22.4 | ... |
| Pulaski | 73.7 | 1.6 | 24.9 | 32.9 | 8.1 | 6.2 |
| Saline | 160.5 | 25.5 | 71.7 | 50.9 | 11.2 | 1.1 |
| Scott | 464.4 | 36.1 | 345.1 | 56.2 | 27.1 | ... |
| Sebastian | 8.9 | ... | 3.7 | 2.1 | 3.1 | ... |
| Yell | 267.2 | 2.3 | 175.1 | 80.2 | 6.3 | 3.4 |
| All counties | 2050.5 | 103.4 | 1316.4 | 471.7 | 147.7 | 11.4 |

**Table 28**–*Volume of hardwood growing stock on timberland by forest type, Ouachita Counties, Arkansas, 1988*

| County | Total | Forest type group | | | | | |
|---|---|---|---|---|---|---|---|
| | | Loblolly-shortleaf pine | | Oak-pine | Oak-hickory | Oak-gum-cypress | Elm-ash-cottonwood |
| | | Planted | Natural | | | | |
| | *Million cubic feet* | | | | | | |
| Garland | 118.4 | 0.6 | 23.0 | 9.7 | 85.1 | ... | ... |
| Logan | 87.1 | ... | 9.4 | 21.6 | 40.6 | 15.4 | ... |
| Montgomery | 191.7 | 1.2 | 41.8 | 56.0 | 92.6 | ... | ... |
| Perry | 74.0 | 0.2 | 13.4 | 17.2 | 26.1 | 17.2 | ... |
| Polk | 173.9 | 0.7 | 15.3 | 65.2 | 92.7 | ... | ... |
| Pulaski | 103.8 | 0.9 | 2.6 | 25.3 | 54.8 | 18.3 | 1.8 |
| Saline | 176.5 | 3.9 | 12.0 | 51.5 | 72.8 | 36.3 | ... |
| Scott | 165.5 | 2.0 | 26.4 | 40.2 | 96.9 | ... | ... |
| Sebastian | 42.5 | ... | ... | 2.8 | 23.0 | 14.3 | 2.4 |
| Yell | 185.6 | ... | 18.4 | 42.0 | 35.3 | 90.0 | ... |
| All counties | 1319.0 | 9.6 | 162.1 | 331.7 | 619.9 | 191.5 | 4.3 |

**Table 29**–*Volume of softwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type, Ouachita Counties, Arkansas, 1988*

| County | Total | Forest type group | | | | |
|---|---|---|---|---|---|---|
| | | Loblolly-shortleaf pine | | Oak-pine | Oak-hickory | Oak-gum-cypress |
| | | Planted | Natural | | | |
| | *Million cubic feet* | | | | | |
| Garland | 110.2 | 0.9 | 70.6 | 14.4 | 24.3 | ... |
| Logan | 77.6 | ... | 53.8 | 20.1 | 3.7 | ... |
| Montgomery | 311.9 | 11 0 | 236.1 | 46.2 | 18.6 | ... |
| Perry | 114.4 | ... | 83.0 | 28.3 | 2.6 | 0.5 |
| Polk | 122.2 | ... | 53.4 | 55.5 | 13.3 | ... |
| Pulaski | 51.8 | 0.6 | 18.0 | 23.0 | 5.1 | 5.1 |
| Saline | 107.3 | 13.4 | 47.7 | 36.7 | 8.7 | 0.8 |
| Scott | 300.7 | 20.2 | 228.3 | 34.6 | 17.6 | ... |
| Sebastian | 4.4 | ... | 1.7 | ... | 2.7 | ... |
| Yell | 189.0 | ... | 124.8 | 58.4 | 4.1 | 1.8 |
| All counties | 1389.4 | 46.2 | 917.5 | 317.1 | 100.5 | 8.2 |

**Table 30**–*Volume of hardwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type, Ouachita Counties, Arkansas, 1988*

| County | Total | Forest type group | | | | | |
|---|---|---|---|---|---|---|---|
| | | Loblolly-shortleaf pine | | Oak-pine | Oak-hickory | Oak-gum-cypress | Elm-ash-cottonwood |
| | | Planted | Natural | | | | |
| | *Million cubic feet* | | | | | | |
| Garland | 35.5 | ... | 3.0 | 2.9 | 29.5 | ... | ... |
| Logan | 43.6 | ... | 4.3 | 8.7 | 19.9 | 10.7 | ... |
| Montgomery | 71.1 | ... | 15.2 | 24.7 | 31.2 | ... | ... |
| Perry | 30.1 | ... | 3.6 | 6.0 | 8.3 | 12.2 | ... |
| Polk | 52.2 | 0.3 | 4.2 | 17.5 | 30.1 | ... | ... |
| Pulaski | 43.4 | 0.2 | 1.6 | 8.5 | 24.5 | 8.3 | 0.3 |
| Saline | 83.6 | 0.9 | 5.6 | 21.3 | 35.6 | 20.1 | ... |
| Scott | 54.8 | 0.9 | 6.1 | 12.8 | 35.0 | ... | ... |
| Sebastian | 15.9 | ... | ... | 1.3 | 8.7 | 4.5 | 1.3 |
| Yell | 82.2 | ... | 4.7 | 12.6 | 14.8 | 50.1 | ... |
| All counties | 512.4 | 2.3 | 48.4 | 116.5 | 237.8 | 105.9 | 1.6 |

**Table 31**–*Volume of timber on timberland by county, class of timber and species group, Ouachita Counties, Arkansas, 1988*

| County | All classes | Growing stock | | Rough | | Rotten | |
|---|---|---|---|---|---|---|---|
| | | Softwood | Hardwood | Softwood | Hardwood | Softwood | Hardwood |
| | *Million cubic feet* | | | | | | |
| Garland | 306.4 | 170.1 | 118.4 | 0.6 | 13.7 | ... | 3.5 |
| Logan | 234.4 | 121.1 | 87.1 | 3 0 | 22.0 | ... | 1.3 |
| Montgomery | 675.7 | 434.0 | 191.7 | 13.1 | 32.0 | 0.1 | 4.7 |
| Perry | 254.6 | 164.9 | 74.0 | 4.3 | 8.9 | ... | 2.4 |
| Polk | 403.8 | 185.7 | 173.9 | 4.4 | 28.8 | ... | 10.9 |
| Pulaski | 190.2 | 73.7 | 103.8 | 0.3 | 10.6 | ... | 1.8 |
| Saline | 355.0 | 160.5 | 176.5 | 1.0 | 13.1 | ... | 3.9 |
| Scott | 692.2 | 464.4 | 165.5 | 10.7 | 42.2 | 0.2 | 9.3 |
| Sebastian | 71.5 | 8.9 | 42.5 | 0.7 | 17.5 | ... | 1.9 |
| Yell | 489.4 | 267.2 | 185.6 | 3.6 | 29.1 | ... | 3.9 |
| All counties | 3673.2 | 2050.5 | 1319.0 | 41.8 | 218.0 | 0.4 | 43.5 |

**Table 32–*Number of live trees on timberland by detailed species and diameter class, Ouachita Counties, Arkansas, 1988***

| Species | All classes | Diameter class (inches at breat height) 1.0-2.9 | 3.0-4.9 | 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Thousand trees* | | | | | | | | | | | | |
| Shortleaf pine | 423223 | 175152 | 85270 | 50476 | 41634 | 31253 | 20628 | 11567 | 4651 | 1633 | 690 | 270 | ... |
| Loblolly pine | 90455 | 40557 | 30130 | 11981 | 4237 | 1672 | 839 | 521 | 229 | 142 | 105 | 37 | 4 |
| Redcedar | 53316 | 34598 | 10651 | 5125 | 1927 | 616 | 196 | 150 | 17 | 25 | 12 | ... | ... |
| Cypress | 898 | 498 | ... | ... | 48 | 66 | 137 | 42 | 98 | ... | 8 | ... | ... |
| Total softwoods | 567893 | 250806 | 126051 | 67582 | 47847 | 33608 | 21800 | 12281 | 4994 | 1800 | 815 | 306 | 4 |
| Select white oaks | 157858 | 67203 | 36954 | 23795 | 15087 | 7215 | 2471 | 2102 | 1343 | 794 | 508 | 379 | 8 |
| Select red oaks | 56764 | 24840 | 13235 | 6899 | 4734 | 3168 | 1867 | 801 | 522 | 321 | 105 | 201 | 12 |
| Other white oaks | 157724 | 77620 | 36244 | 19980 | 10700 | 5907 | 2805 | 2501 | 1018 | 493 | 169 | 283 | 4 |
| Other red oaks | 100568 | 56093 | 19952 | 8999 | 6039 | 3531 | 2081 | 1430 | 1068 | 678 | 287 | 348 | 60 |
| Sweet pecan | 28 | ... | ... | ... | ... | ... | ... | ... | ... | .. | 28 | ... | ... |
| Water hickory | 8 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8 | ... |
| Other hickories | 241877 | 147457 | 56294 | 22797 | 8763 | 3848 | 1601 | 642 | 293 | 120 | 30 | 31 | ... |
| Persimmon | 13646 | 13035 | 494 | ... | 74 | 42 | ... | ... | ... | ... | ... | ... | ... |
| Hard maple | 5572 | 3733 | 1500 | 278 | 62 | ... | ... | ... | ... | ... | ... | ... | ... |
| Soft maple | 63053 | 45837 | 12222 | 3163 | 1278 | 315 | 162 | 39 | 15 | 13 | ... | 8 | ... |
| Boxelder | 860 | 474 | ... | 93 | 121 | 98 | 24 | ... | 41 | ... | 9 | ... | ... |
| Beech | 9 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 9 | ... | ... |
| Sweetgum | 96100 | 53112 | 21616 | 9318 | 4560 | 3339 | 1853 | 1339 | 549 | 229 | 107 | 69 | 7 |
| Blackgum | 81926 | 63916 | 9742 | 3643 | 1729 | 974 | 616 | 620 | 391 | 100 | 99 | 92 | 4 |
| Other gums/tupelos | 55 | ... | ... | ... | 55 | ... | ... | ... | ... | ... | ... | ... | ... |
| White ash | 20157 | 16321 | 2973 | 337 | 239 | 105 | 79 | 61 | 32 | ... | 9 | ... | ... |
| Other ashes | 10412 | 6370 | 1023 | 972 | 1004 | 529 | 247 | 82 | 134 | 25 | 9 | 18 | ... |
| Sycamore | 819 | ... | 511 | ... | 59 | 75 | 25 | 20 | 48 | 24 | 10 | 41 | 5 |
| Cottonwood | 20 | ... | ... | ... | ... | ... | ... | ... | 20 | ... | ... | ... | ... |
| Basswood | 3276 | 1581 | 1003 | 366 | 68 | 174 | 56 | 21 | ... | ... | ... | 7 | ... |
| Willow | 195 | ... | ... | ... | 63 | 106 | 26 | ... | ... | ... | ... | ... | ... |
| Black cherry | 15675 | 9815 | 3643 | 890 | 708 | 310 | 165 | 75 | 31 | 38 | ... | ... | ... |
| American elm | 18150 | 12426 | 3302 | 1129 | 431 | 432 | 174 | 132 | 42 | 22 | 20 | 39 | ... |
| Other elms | 169574 | 131599 | 27309 | 6941 | 2295 | 1054 | 197 | 153 | 28 | ... | ... | ... | ... |
| River birch | 628 | ... | ... | 329 | 52 | 49 | 90 | 60 | 17 | 13 | ... | 19 | ... |
| Hackberry | 5851 | 3053 | 1050 | 1146 | 291 | 122 | 59 | 36 | 14 | 47 | 10 | 22 | ... |
| Black locust | 702 | 542 | ... | 160 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other locusts | 393 | ... | ... | 189 | 68 | 69 | 52 | ... | 14 | ... | ... | ... | ... |
| Sassafras | 6222 | 5403 | 596 | 132 | 45 | 46 | ... | ... | ... | ... | ... | ... | ... |
| Dogwood | 78293 | 65396 | 12753 | 144 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Holly | 2020 | 1997 | ... | ... | ... | ... | .. | 23 | ... | ... | ... | ... | ... |
| Other commercial | 5150 | 3642 | 1069 | 282 | 68 | 45 | 26 | 19 | ... | ... | ... | ... | ... |
| Total hardwoods | 1313587 | 811465 | 263486 | 111982 | 58653 | 31556 | 14676 | 10154 | 5619 | 2917 | 1411 | 1566 | 100 |
| Noncommercial | 186262 | 150103 | 27068 | 5821 | 1806 | 884 | 411 | 62 | 63 | 27 | 10 | 7 | ... |
| All species | 2067742 | 1212374 | 416605 | 185385 | 108305 | 66048 | 36887 | 22497 | 10677 | 4744 | 2236 | 1879 | 105 |

**Table 33**—*Number of growing-stock trees on timberland by detailed species and diameter class, Ouachita Counties, Arkansas, 1988*

| Species | All classes | Diameter class (inches at breast height) 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Thousand trees* | | | | | | | | | | |
| Shortleaf pine | 153350 | 43715 | 39536 | 30921 | 20484 | 11524 | 4620 | 1621 | 669 | 260 | ... |
| Loblolly pine | 17836 | 10325 | 4105 | 1548 | 839 | 502 | 229 | 142 | 105 | 37 | 4 |
| Redcedar | 6992 | 4398 | 1870 | 376 | 144 | 150 | 17 | 25 | 12 | ... | ... |
| Cypress | 400 | ... | 48 | 66 | 137 | 42 | 98 | ... | 8 | ... | ... |
| Total softwoods | 178577 | 58438 | 45559 | 32911 | 21605 | 12218 | 4963 | 1787 | 794 | 297 | 4 |
| Select white oaks | 46116 | 19600 | 14026 | 6656 | 2235 | 1560 | 989 | 536 | 301 | 204 | 8 |
| Select red oaks | 14659 | 5500 | 4017 | 2587 | 1286 | 506 | 336 | 209 | 77 | 134 | 8 |
| Other white oaks | 32223 | 14430 | 8541 | 4531 | 1828 | 1646 | 628 | 363 | 89 | 169 | ... |
| Other red oaks | 20676 | 7468 | 5566 | 3055 | 1680 | 1140 | 819 | 475 | 228 | 212 | 35 |
| Sweet pecan | 9 | ... | ... | ... | ... | ... | ... | ... | 9 | ... | ... |
| Water hickory | 8 | ... | ... | ... | ... | ... | ... | ... | ... | 8 | ... |
| Other hickories | 29142 | 16663 | 7259 | 3089 | 1172 | 542 | 248 | 108 | 30 | 31 | ... |
| Persimmon | 117 | ... | 74 | 42 | ... | ... | ... | ... | ... | ... | ... |
| Hard maple | 339 | 278 | 62 | ... | ... | ... | ... | ... | ... | ... | ... |
| Soft maple | 2552 | 1464 | 895 | 154 | ... | 39 | ... | ... | ... | ... | ... |
| Boxelder | 215 | 93 | 63 | ... | 24 | ... | 27 | ... | 9 | ... | ... |
| Sweetgum | 18291 | 7449 | 3723 | 3271 | 1748 | 1232 | 504 | 229 | 86 | 44 | 4 |
| Blackgum | 5768 | 2767 | 1168 | 690 | 356 | 362 | 241 | 76 | 71 | 32 | 4 |
| Other gums/tupelos | 55 | ... | 55 | ... | ... | ... | ... | ... | ... | ... | ... |
| White ash | 700 | 337 | 181 | 70 | 79 | 23 | ... | ... | 9 | ... | ... |
| Other ashes | 2504 | 745 | 813 | 477 | 247 | 62 | 119 | 25 | 9 | 8 | ... |
| Sycamore | 257 | ... | 59 | 75 | 25 | 20 | ... | 24 | 10 | 41 | 2 |
| Cottonwood | 20 | ... | ... | ... | ... | ... | 20 | ... | ... | ... | ... |
| Basswood | 617 | 366 | ... | 174 | 56 | 21 | ... | ... | ... | ... | ... |
| Willow | 165 | ... | 63 | 75 | 26 | ... | ... | ... | ... | ... | ... |
| Black cherry | 1318 | 464 | 449 | 196 | 116 | 36 | 31 | 25 | ... | ... | ... |
| American elm | 1650 | 964 | 166 | 344 | 80 | 42 | 29 | ... | 10 | 14 | ... |
| Other elms | 7493 | 4597 | 1822 | 837 | 169 | 41 | 28 | ... | ... | ... | ... |
| River birch | 457 | 206 | 52 | ... | 90 | 60 | 17 | 13 | ... | 19 | ... |
| Hackberry | 736 | 327 | 190 | 81 | 31 | 36 | 14 | 47 | 10 | ... | ... |
| Other locusts | 121 | ... | ... | 69 | 52 | ... | ... | ... | ... | ... | ... |
| Holly | 23 | ... | ... | ... | ... | 23 | ... | ... | ... | ... | ... |
| Other commercial | 45 | ... | ... | 45 | ... | ... | ... | ... | ... | ... | ... |
| Total hardwoods | 186276 | 83715 | 49247 | 26518 | 11301 | 7390 | 4048 | 2130 | 949 | 917 | 61 |
| All species | 364853 | 142153 | 94806 | 59429 | 32906 | 19608 | 9011 | 3917 | 1743 | 1214 | 65 |

**Table 34–*Volume of growing-stock trees on timberland by species and diameter class, Ouachita Counties, Arkansas, 1988***

| Species | All classes | Diameter class (inches at breast height) 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Million cubic feet* | | | | | | | | | | |
| Shortleaf pine | 1909.7 | 123.0 | 283.1 | 412.5 | 418.1 | 336.4 | 135.3 | 86.0 | 42.8 | 22.6 | ... |
| Loblolly pine | 108.2 | 17.4 | 19.9 | 17.7 | 15.1 | 13.2 | 8.1 | 6.9 | 6.5 | 2.9 | 0.5 |
| Redcedar | 26.4 | 10.0 | 8.1 | 3.0 | 1.8 | 2.1 | 0.4 | 0.7 | 0.5 | ... | ... |
| Cypress | 6.2 | ... | 0.2 | 0.8 | 1.6 | 0.9 | 2.5 | ... | 0.2 | ... | ... |
| Total softwoods | 2050.5 | 150.3 | 311.3 | 434.0 | 436.6 | 352.6 | 196.2 | 93.6 | 49.9 | 25.5 | 0.5 |
| Select white oaks | 332.4 | 51.0 | 77.9 | 65.7 | 34.7 | 32.6 | 29.1 | 18.4 | 12.8 | 9.9 | 0.2 |
| Select red oaks | 124.9 | 15.9 | 23.4 | 24.8 | 19.8 | 11.0 | 8.7 | 8.2 | 3.5 | 8.8 | 0.9 |
| Other white oaks | 203.8 | 31.9 | 41.8 | 39.5 | 23.5 | 30.0 | 14.0 | 10.8 | 3.8 | 8.5 | ... |
| Other red oaks | 193.6 | 17.8 | 29.9 | 28.5 | 26.3 | 24.7 | 23.3 | 16.8 | 10.2 | 12.7 | 3.3 |
| Sweet pecan | 0.4 | ... | ... | ... | ... | ... | ... | ... | 0.4 | ... | ... |
| Water hickory | 0.5 | ... | ... | ... | ... | ... | ... | ... | ... | 0.5 | ... |
| Other hickories | 132.2 | 32.1 | 32.3 | 26.3 | 16.4 | 10.9 | 6.9 | 3.8 | 1.6 | 1.8 | .. |
| Persimmon | 0.7 | ... | 0.3 | 0.4 | ... | ... | ... | ... | ... | ... | ... |
| Hard maple | 1.4 | 0.9 | 0.5 | ... | ... | ... | ... | ... | ... | ... | ... |
| Soft maple | 10.1 | 3.5 | 4.4 | 1.3 | ... | 0.9 | ... | ... | ... | ... | ... |
| Boxelder | 2.0 | 0.2 | 0.2 | ... | 0.4 | ... | 0.8 | ... | 0.5 | ... | ... |
| Sweetgum | 170.5 | 15.5 | 21.6 | 36.9 | 31.2 | 30.2 | 16.0 | 10.5 | 5.2 | 3.0 | 0.4 |
| Blackgum | 43.8 | 5.7 | 5.6 | 5.7 | 5.5 | 7.1 | 6.6 | 2.4 | 3.1 | 1.6 | 0.6 |
| White ash | 4.4 | 0.8 | 0.8 | 0.6 | 1.2 | 0.4 | ... | ... | 0.5 | ... | ... |
| Other ashes | 22.1 | 2.0 | 5.0 | 4.8 | 3.7 | 1.5 | 3.5 | 0.9 | 0.4 | 0.4 | ... |
| Sycamore | 6.8 | ... | 0.5 | 0.6 | 0.6 | 0.6 | ... | 0.9 | 0.6 | 2.8 | 0.2 |
| Cottonwood | 0.5 | ... | ... | ... | ... | ... | 0.5 | ... | ... | ... | ... |
| Basswood | 3.4 | 0.8 | ... | 1.3 | 0.8 | 0.5 | ... | ... | ... | ... | ... |
| Willow | 1.2 | ... | 0.2 | 0.6 | 0.4 | ... | ... | ... | ... | ... | ... |
| Black cherry | 10.9 | 1.3 | 2.5 | 2.5 | 2.3 | 0.7 | 0.7 | 0.9 | ... | ... | ... |
| American elm | 10.8 | 2.6 | 0.7 | 3.0 | 1.1 | 0.9 | 0.8 | ... | 0.5 | 1.2 | ... |
| Other elms | 29.7 | 9.6 | 8.5 | 8.2 | 2.0 | 0.7 | 0.8 | ... | ... | ... | ... |
| River birch | 5.6 | 0.6 | 0.5 | ... | 1.6 | 1.0 | 0.3 | 0.6 | ... | 1.0 | ... |
| Hackberry | 5.2 | 0.7 | 0.7 | 0.5 | 0.2 | 0.6 | 0.3 | 1.7 | 0.5 | ... | ... |
| Other locusts | 1.1 | ... | ... | 0.4 | 0.6 | ... | ... | ... | ... | ... | ... |
| Holly | 0.3 | ... | ... | ... | ... | 0.3 | ... | ... | ... | ... | ... |
| Other commercial | 0.4 | ... | ... | 0.4 | ... | ... | ... | ... | ... | ... | ... |
| Total hardwoods | 1319.0 | 192.9 | 257.7 | 252.1 | 172.2 | 154.6 | 112.2 | 76.1 | 43.5 | 52.3 | 5.6 |
| All species | 3369.6 | 343.2 | 568.9 | 686.1 | 608.8 | 507.2 | 308.4 | 169.6 | 93.4 | 77.8 | 6.0 |

**Table 35–*Volume of growing stock in the saw-log portion of sawtimber trees on timberland by detailed species and diameter class, Ouachita Counties, Arkansas, 1988***

| Species | All classes | Diameter class (inches at breast height) 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
|---|---|---|---|---|---|---|---|---|---|
| | *Million cubic feet* | | | | | | | | |
| Shortleaf pine | 1317.8 | 348.2 | 370.0 | 301.5 | 164.2 | 77.2 | 37.2 | 19.4 | ... |
| Loblolly pine | 59.1 | 14.3 | 12.6 | 11.2 | 6.8 | 5.7 | 5.5 | 2.6 | 0.4 |
| Redcedar | 7.4 | 2.3 | 1.7 | 1.9 | 0.4 | 0.7 | 0.5 | ... | ... |
| Cypress | 5.1 | 0.6 | 1.3 | 0.8 | 2.2 | ... | 0.2 | ... | ... |
| Total softwoods | 1389.4 | 365.5 | 385.6 | 315.4 | 173.6 | 83.7 | 43.4 | 22.0 | 0.4 |
| Select white oaks | 112.7 | ... | 27.1 | 27.1 | 24.4 | 15.0 | 10.7 | 8.3 | 0.2 |
| Select red oaks | 50.8 | ... | 15.4 | 9.3 | 7.7 | 6.9 | 3.2 | 7.6 | 0.8 |
| Other white oaks | 76.8 | ... | 18.8 | 25.7 | 12.4 | 9.0 | 3.2 | 7.6 | ... |
| Other red oaks | 99.1 | ... | 19.9 | 20.9 | 20.3 | 14.7 | 8.7 | 11.6 | 2.9 |
| Sweet pecan | 0.4 | ... | ... | ... | ... | ... | 0.4 | ... | ... |
| Water hickory | 0.5 | ... | ... | ... | ... | ... | ... | 0.5 | ... |
| Other hickories | 35.0 | ... | 13.4 | 9.2 | 6.0 | 3.2 | 1.5 | 1.7 | ... |
| Soft maple | 0.7 | ... | ... | 0.7 | ... | ... | ... | ... | ... |
| Boxelder | 1.1 | ... | 0.3 | ... | 0.6 | ... | 0.3 | ... | ... |
| Sweetgum | 77.8 | ... | 21.3 | 25.3 | 13.7 | 9.5 | 4.9 | 2.8 | 0.3 |
| Blackgum | 22.8 | ... | 4.3 | 6.0 | 6.0 | 2.1 | 2.9 | 1.0 | 0.5 |
| White ash | 1.8 | ... | 1.0 | 0.4 | ... | ... | 0.5 | ... | ... |
| Other ashes | 8.5 | ... | 2.8 | 1.3 | 3.0 | 0.7 | 0.3 | 0.3 | ... |
| Sycamore | 5.0 | ... | 0.4 | 0.5 | ... | 0.9 | 0.5 | 2.6 | 0.2 |
| Cottonwood | 0.4 | ... | ... | ... | 0.4 | ... | ... | ... | ... |
| Basswood | 1.2 | ... | 0.7 | 0.5 | ... | ... | ... | ... | ... |
| Willow | 0.3 | ... | 0.3 | ... | ... | ... | ... | ... | ... |
| Black cherry | 4.0 | ... | 1.8 | 0.5 | 0.7 | 0.9 | ... | ... | ... |
| American elm | 3.8 | ... | 0.8 | 0.9 | 0.7 | ... | 0.3 | 1.2 | ... |
| Other elms | 2.7 | ... | 1.5 | 0.5 | 0.6 | ... | ... | ... | ... |
| River birch | 3.5 | ... | 1.3 | 0.8 | 0.3 | 0.4 | ... | 0.7 | ... |
| Hackberry | 2.9 | ... | 0.2 | 0.5 | 0.2 | 1.5 | 0.5 | ... | ... |
| Other locusts | 0.4 | ... | 0.4 | ... | ... | ... | ... | ... | ... |
| Holly | 0.2 | ... | ... | 0.2 | ... | ... | ... | ... | ... |
| Total hardwoods | 512.4 | ... | 131.6 | 130.3 | 97.1 | 64.9 | 37.7 | 45.8 | 4.9 |
| All species | 1901.9 | 365.5 | 517.1 | 445.7 | 270.7 | 148.6 | 81.1 | 67.7 | 5.3 |

**Table 36**–*Volume of timber on timberland by species and class of timber, Ouachita Counties, Arkansas, 1988*

| Species | All live | Growing stock | Rough | Rotten |
|---|---|---|---|---|
| | | *Million cubic feet* | | |
| Shortleaf pine | 1946.1 | 1909.7 | 36.2 | 0.2 |
| Loblolly pine | 110.9 | 108.2 | 2.7 | ... |
| Redcedar | 29.5 | 26.4 | 2.9 | 0.1 |
| Cypress | 6.2 | 6.2 | ... | ... |
| Total softwoods | 2092.7 | 2050.5 | 41.8 | 0.4 |
| Select white oaks | 377.8 | 332.4 | 35.3 | 10.1 |
| Select red oaks | 147.8 | 124.9 | 18.3 | 4.6 |
| Other white oaks | 255.1 | 203.8 | 45.0 | 6.3 |
| Other red oaks | 225.8 | 193.6 | 26.1 | 6.1 |
| Sweet pecan | 0.8 | 0.4 | 0.4 | ... |
| Water hickory | 0.5 | 0.5 | ... | ... |
| Other hickories | 154.8 | 132.2 | 20.3 | 2.3 |
| Persimmon | 0.7 | 0.7 | ... | ... |
| Hard maple | 1.4 | 1.4 | ... | ... |
| Soft maple | 18.1 | 10.1 | 7.5 | 0.5 |
| Boxelder | 2.7 | 2.0 | 0.6 | 0.1 |
| Beech | 0.2 | ... | ... | 0.2 |
| Sweetgum | 184.8 | 170.5 | 11.4 | 2.9 |
| Blackgum | 57.4 | 43.8 | 6.8 | 6.9 |
| Other gums/tupelos | 0.3 | 0.3 | ... | ... |
| White ash | 5.5 | 4.4 | 0.7 | 0.3 |
| Other ashes | 24.4 | 22.1 | 2.2 | 0.2 |
| Sycamore | 7.9 | 6.8 | 0.6 | 0.5 |
| Cottonwood | 0.5 | 0.5 | ... | ... |
| Basswood | 3.9 | 3.4 | 0.2 | 0.3 |
| Willow | 1.2 | 1.2 | ... | ... |
| Black cherry | 15.4 | 10.9 | 4.1 | 0.4 |
| American elm | 15.1 | 10.8 | 2.9 | 1.4 |
| Other elms | 37.4 | 29.7 | 7.3 | 0.4 |
| River birch | 6.1 | 5.6 | 0.5 | ... |
| Hackberry | 7.8 | 5.2 | 2.6 | ... |
| Black locust | 0.2 | ... | 0.2 | ... |
| Other locusts | 1.8 | 1.1 | 0.7 | ... |
| Sassafras | 0.7 | ... | 0.7 | ... |
| Dogwood | 0.1 | ... | 0.1 | ... |
| Holly | 0.3 | 0.3 | ... | ... |
| Other commercial | 1.6 | 0.4 | 1.2 | ... |
| Total hardwoods | 1558.1 | 1319.0 | 195.6 | 43.5 |
| Noncommercial | 22.4 | ... | 22.4 | ... |
| All species | 3673.2 | 3369.6 | 259.7 | 43.9 |

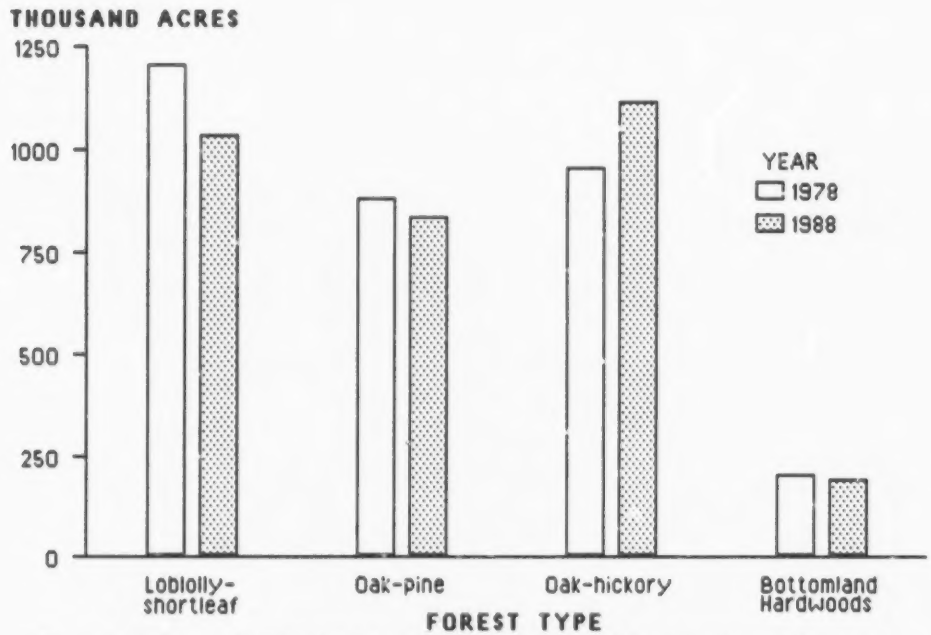


Figure 1.--Area of timberland by forest type, Ouachita Counties, Arkansas, 1978 and 1988.

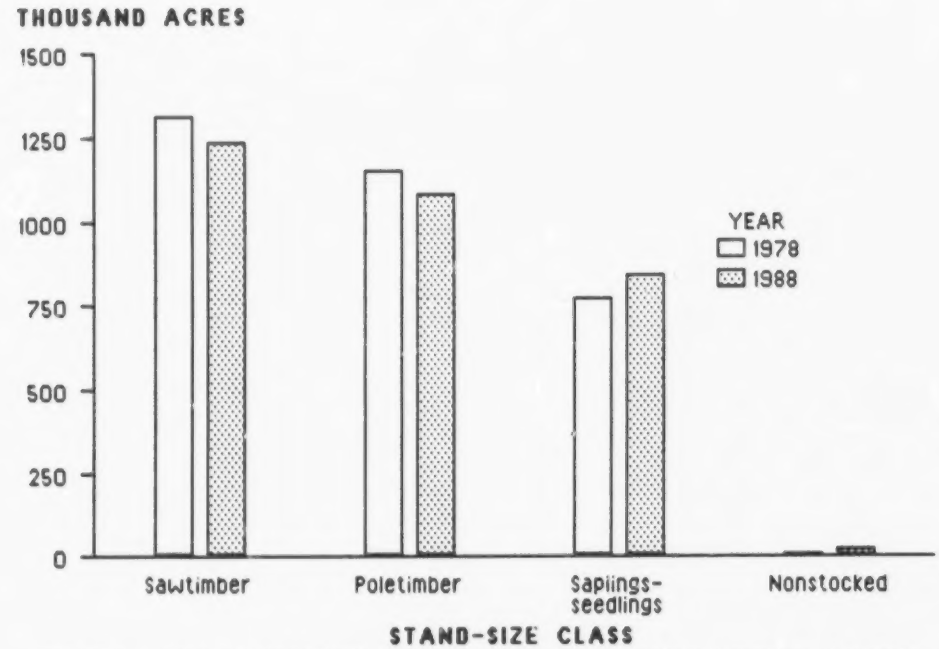


Figure 2.--Area of timberland by stand-size class, Ouachita Counties, Arkansas, 1978 and 1988.

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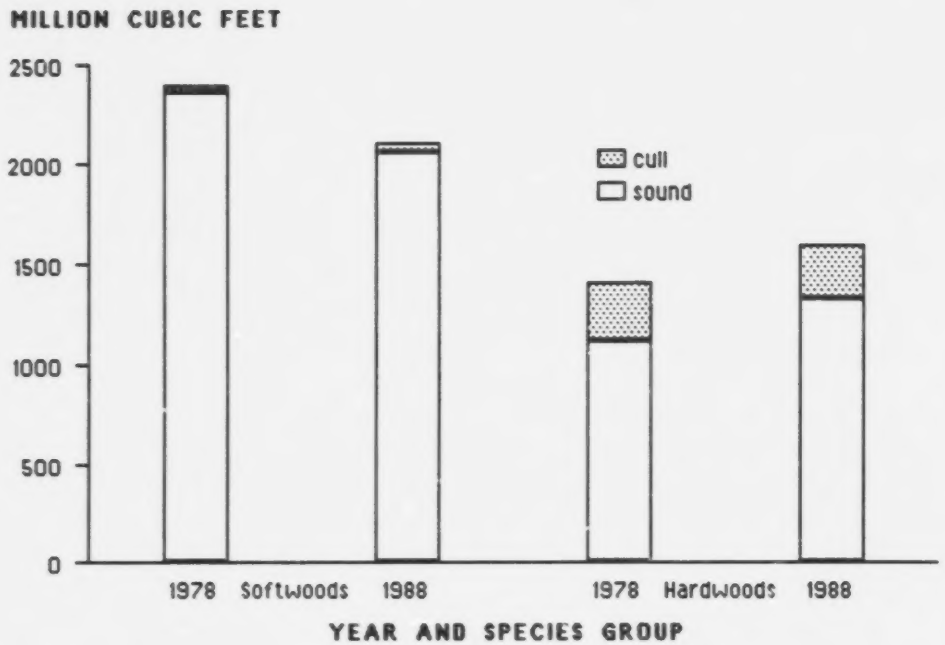


Figure 3.--Volume of timber on timberland by species group and class of timber, Ouachita Counties, Arkansas, 1978 and 1988.

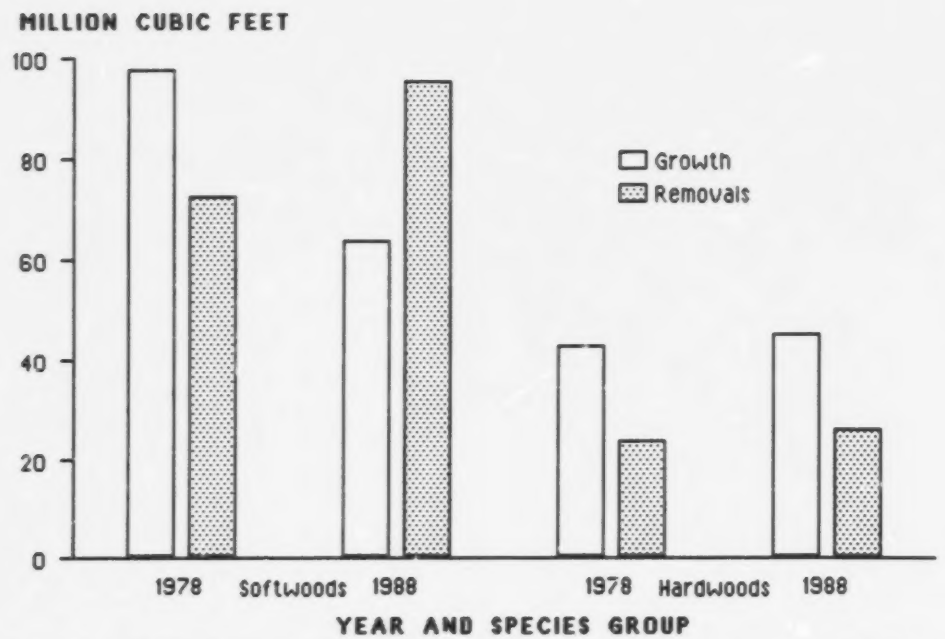


Figure 4.--Average net annual growth and average annual removals of growing stock on timberland by species group, Ouachita Counties, Arkansas, 1978 and 1988.

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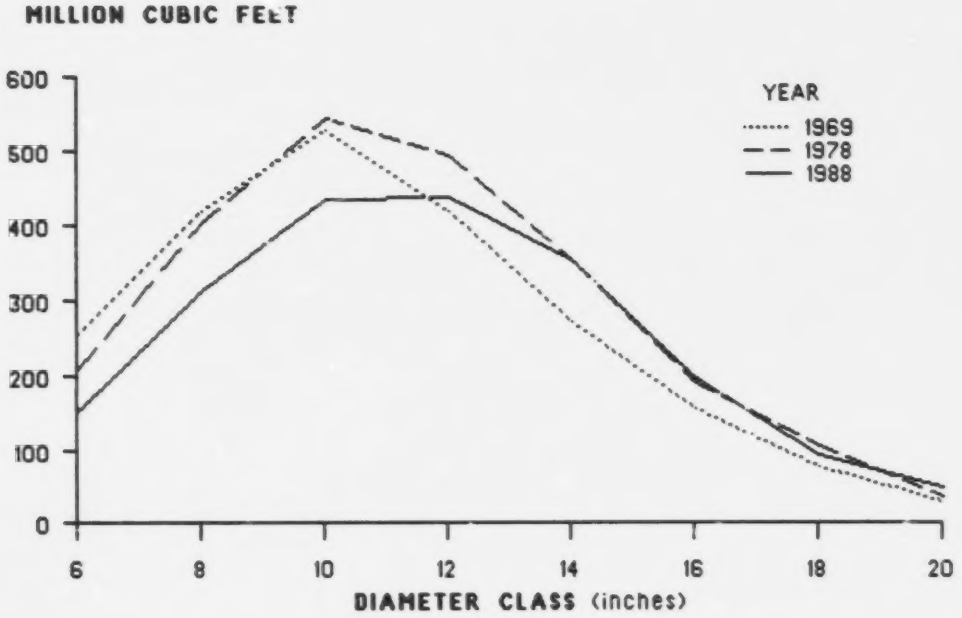


Figure 5.--Volume of softwood growing stock on timberland by diameter class, Ouachita Counties, Arkansas, 1969, 1978, and 1988.

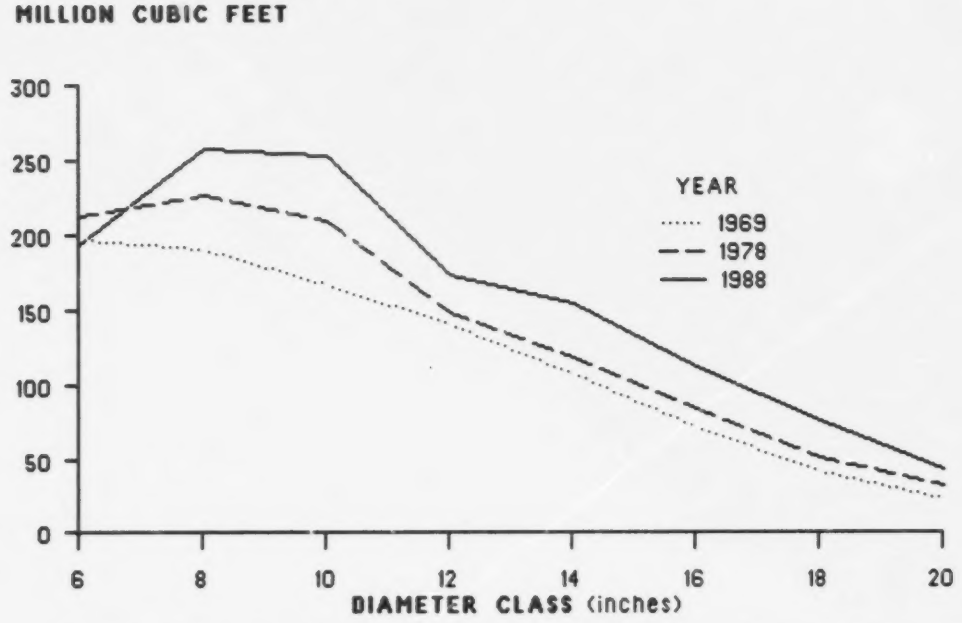


Figure 6.--Volume of hardwood growing stock on timberland by diameter class, Ouachita Counties, Arkansas, 1969, 1978, and 1988.

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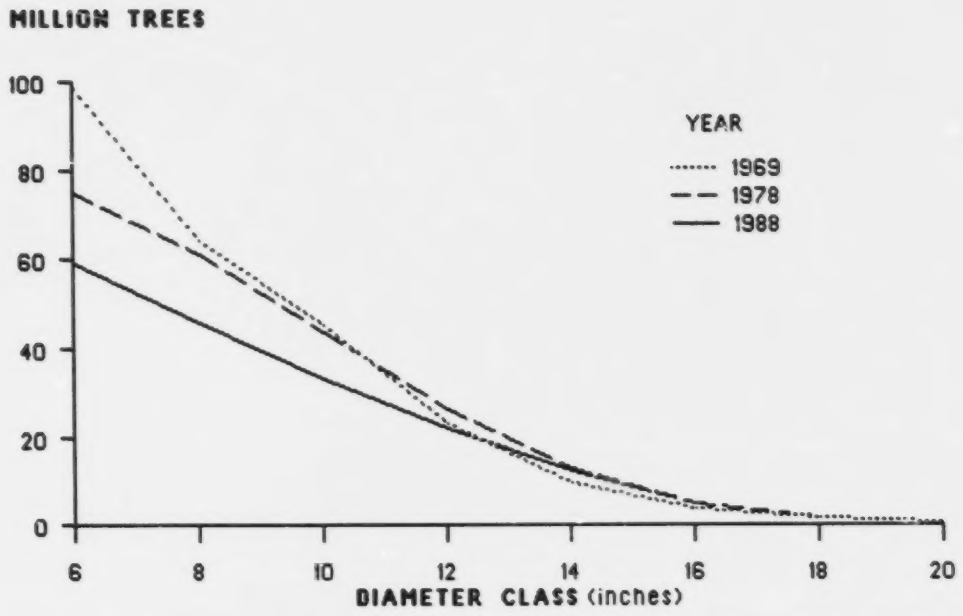


Figure 7.--Number of softwood growing-stock trees on timberland by diameter class, Ouachita Counties, Arkansas, 1969, 1978, and 1988.

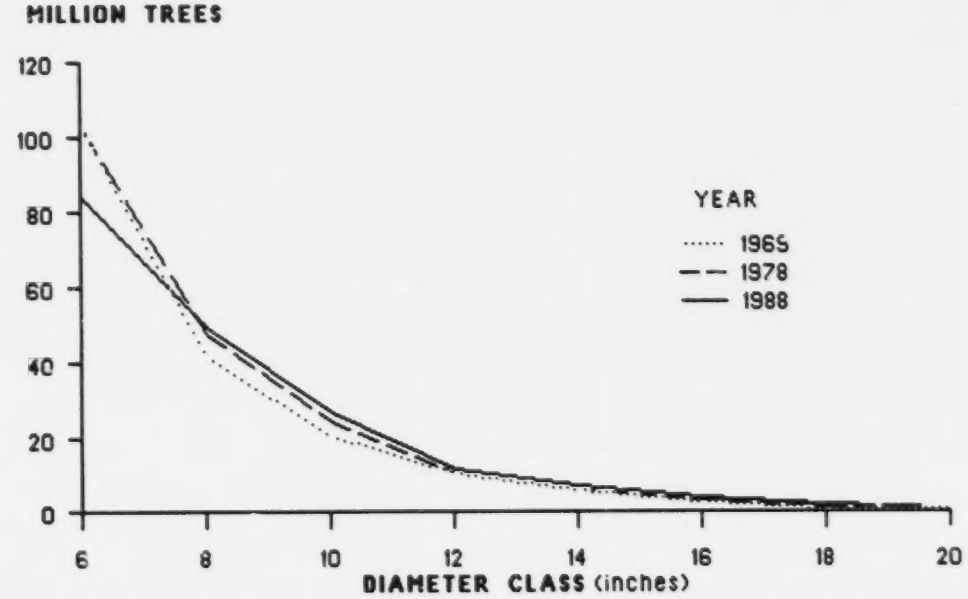


Figure 8.--Number of hardwood growing-stock trees on timberland by diameter class, Ouachita Counties, Arkansas, 1969, 1978, and 1988.

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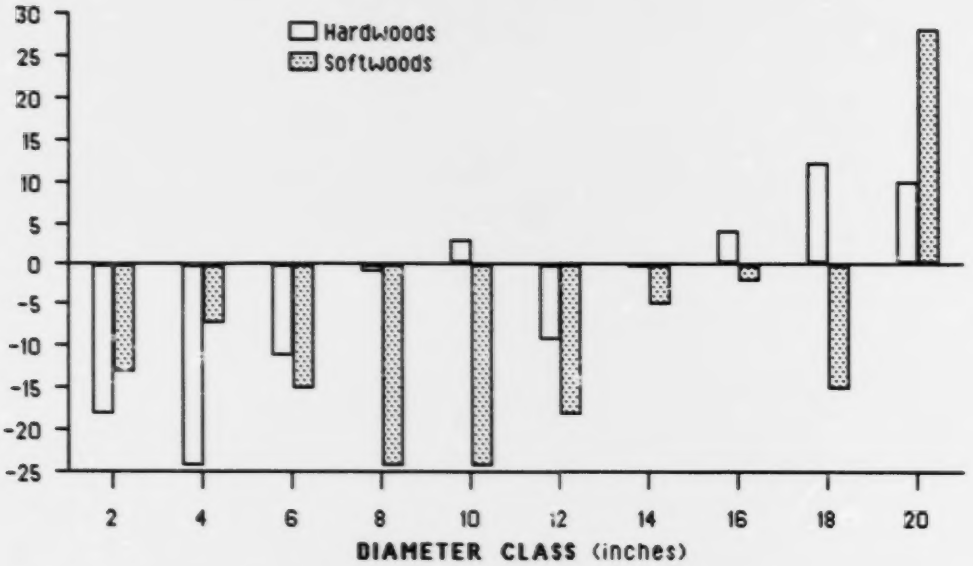


Figure 9.--Percent change in the number of live trees on timberland by species group and diameter class, Ouachita Counties, Arkansas, 1978 and 1988.

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Hines, F. Dee, Forest Statistics for Arkansas' Ouachita Counties--1988. Resource Bull. SO-137. New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station; 1988. 28 p.

Tabulates forest resource information from a new inventory of Arkansas' Ouachita Unit.

Additional Keywords: Area, volume, forest type, stand size, ownership.

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